

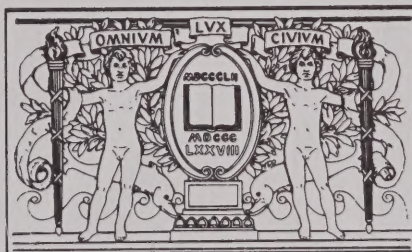
GOVDOC

M3/B16
PHC
02/13

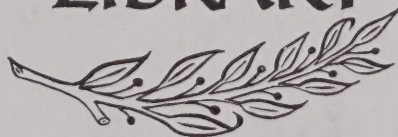
BOSTON PUBLIC LIBRARY



3 9999 10105 338 5



BOSTON
PUBLIC
LIBRARY



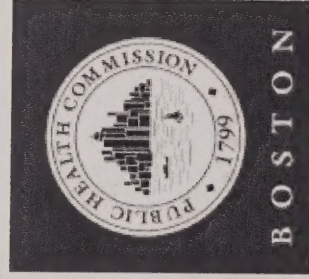
02/13

The Health of Roxbury

presented at the

Boston Public Health Commission's 5th Annual Community Health Series

October 1, 2002 Grove Hall Library
6:00pm to 7:30pm Roxbury



Thomas M. Menino
Mayor of Boston

John Auerbach
Executive Director

98V 02-1402

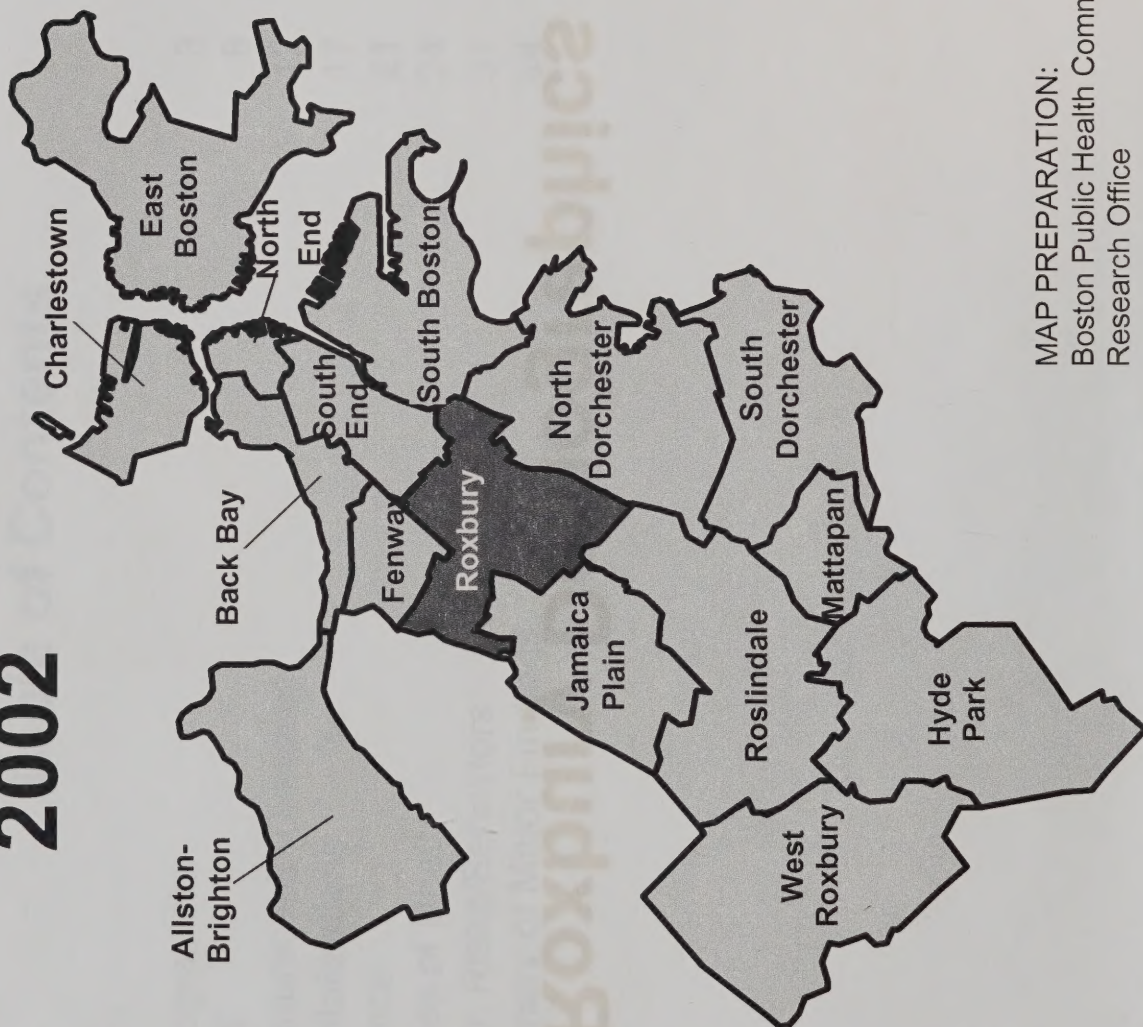
Table of Contents

Demographics	3
Births	8
Communicable Diseases	12
Hospitalizations	17
Violence	21
Causes of Death	24
Health Risks/Behaviors	31
Summary of Major Findings	44

Roxbury Demographics

Roxbury Community Meeting

2002



MAP PREPARATION:
Boston Public Health Commission
Research Office

Population by Race/Ethnicity Roxbury, 1990 and 2000

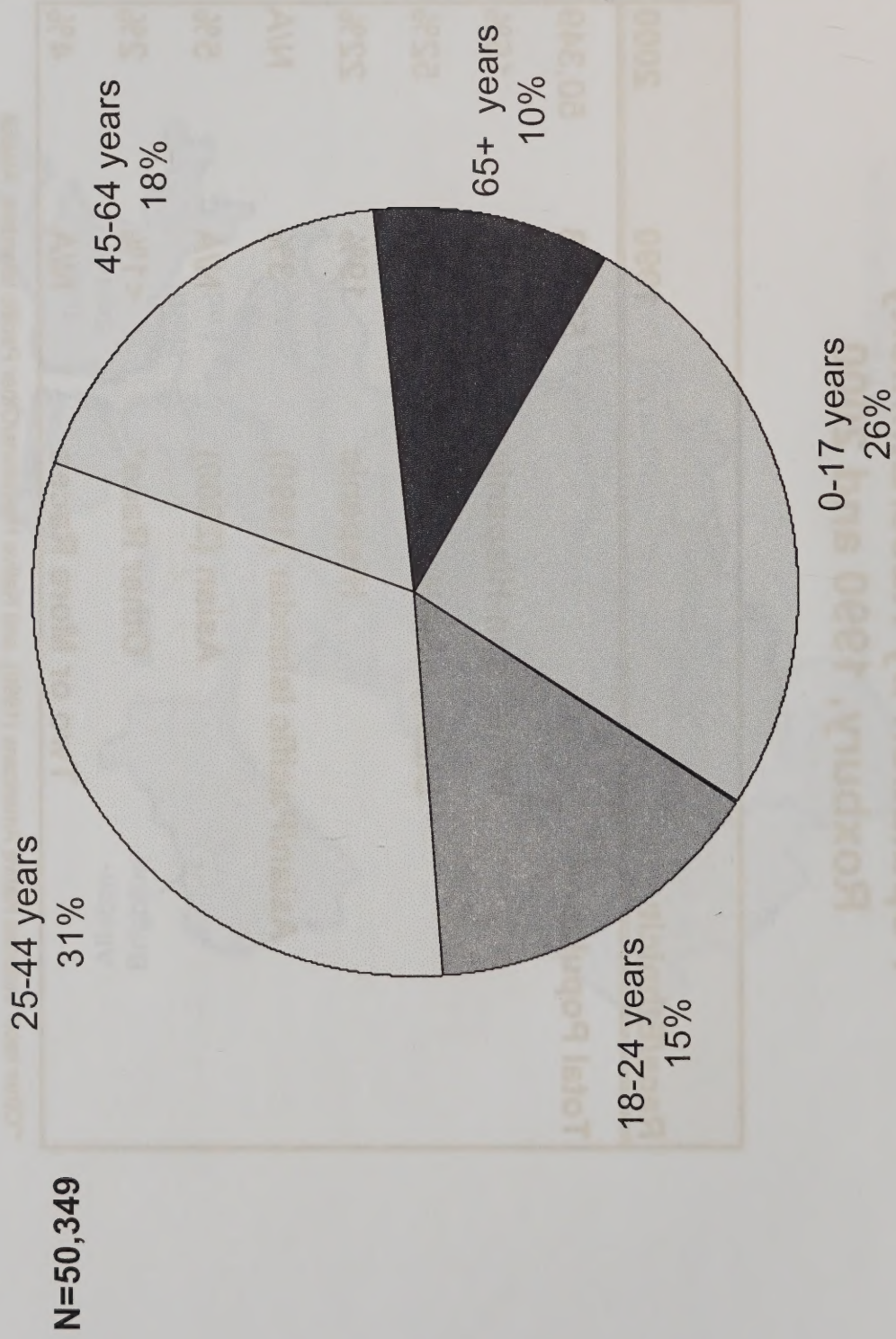
Race/Ethnicity	1990	2000
Total Population	53,828	50,349
White, non-Hispanic	14%	15%
Black, non-Hispanic	63%	52%
Hispanic	19%	22%
Asian/Pacific Islander (1990)	3%	N/A
Asian (2000)	N/A	5%
Other Race*	<1%	2%
Two or More Races	N/A	4%

*"Other race" includes Native Americans (1990), and Native Hawaiians/Other Pacific Islanders, Alaska Native/American Indians, and Other Races (2000).

DATA SOURCE: Modified Age-Race-Sex file for Boston census tracts, 1990 US Census; US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000.

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000
DATA ANALYSIS: Boston Public Health Commission, Research Office

Population by Age Roxbury, 2000



NOTE: Percentages do not total 100% due to rounding.

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000

DATA ANALYSIS: Boston Public Health Commission, Research Office

Selected Socioeconomic Indicators Boston Overall and Roxbury, 2000

Indicator	Boston	Roxbury
Less than High School Graduation or GED	21%	29%
% of Population Below Poverty Level*	20%	29%
% of Children (Under 18) Below Poverty Level*	26%	35%
% of Adults 65 and Older Below Poverty Level*	18%	27%
Median Household Income in 1999**	\$39,629	\$26,515

*Based on income in 1999

**Estimated Median Household Income in 1999

DATA SOURCE: US Department of Commerce, Bureau of the Census, American Fact Finder, Census 2000, Summary File-Sample Data

Population by Age Roxbury, 2000

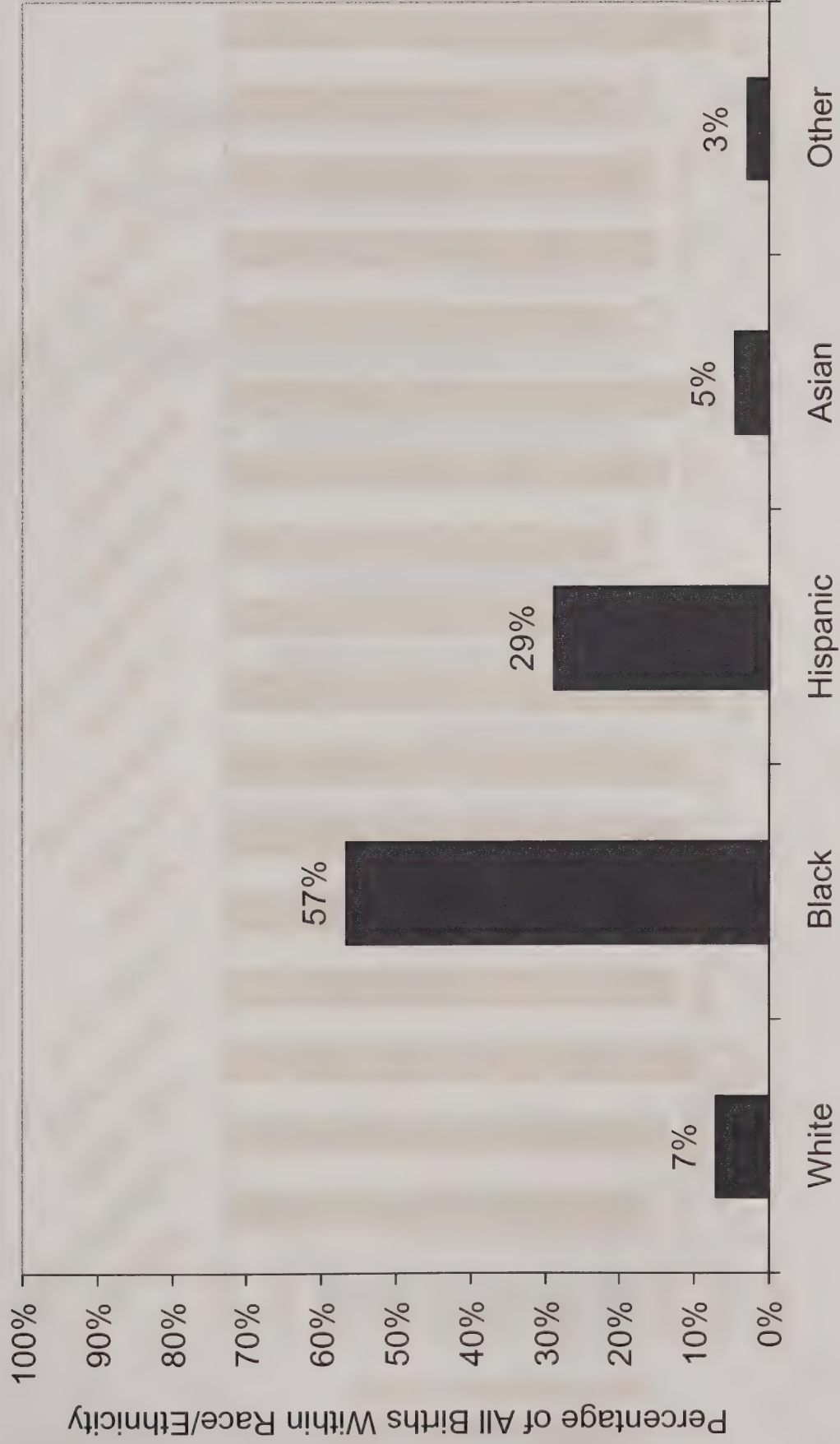
1990
DATA SOURCE: The information in this report is based on the 2000 Census of the United States, which was conducted by the U.S. Census Bureau. The data were obtained from the Census Bureau's 2000 Census of the United States, which was conducted by the U.S. Census Bureau. The data were obtained from the Census Bureau's 2000 Census of the United States, which was conducted by the U.S. Census Bureau. The data were obtained from the Census Bureau's 2000 Census of the United States, which was conducted by the U.S. Census Bureau.

Indicator	1990	2000
Population	258,212	258,212
% of population aged 65 and older	19%	19%
% of children (under 18) below poverty level	32%	32%
% of population below poverty level	30%	30%
% of population aged 18 and over with a high school diploma or GED	30%	30%
% of population aged 18 and over with a bachelor's degree or higher	30%	30%

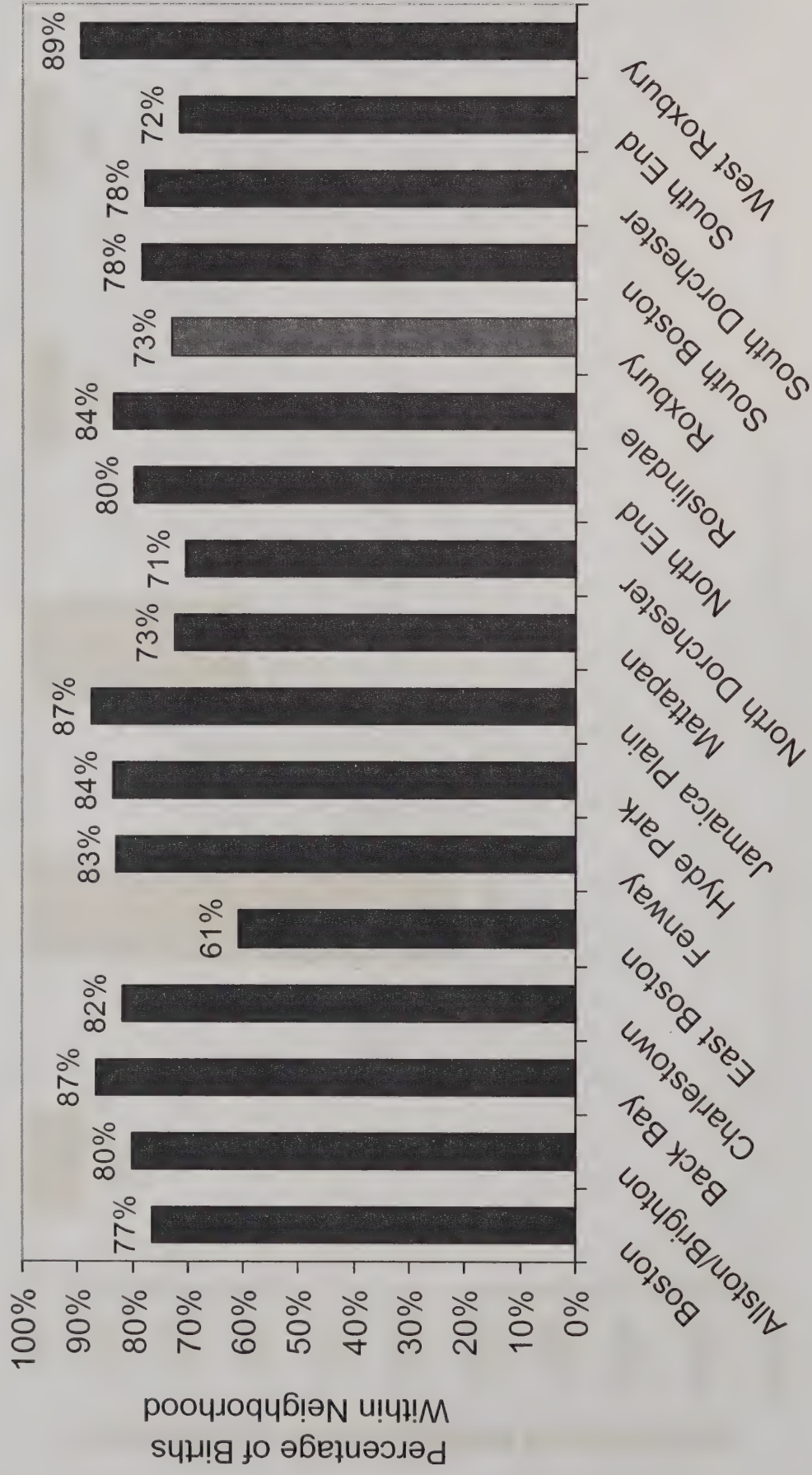
Births in Roxbury

Boston Overview and Roxbury's 2000 Selected Socioeconomic Indicators

Births by Race/Ethnicity Roxbury, 2000



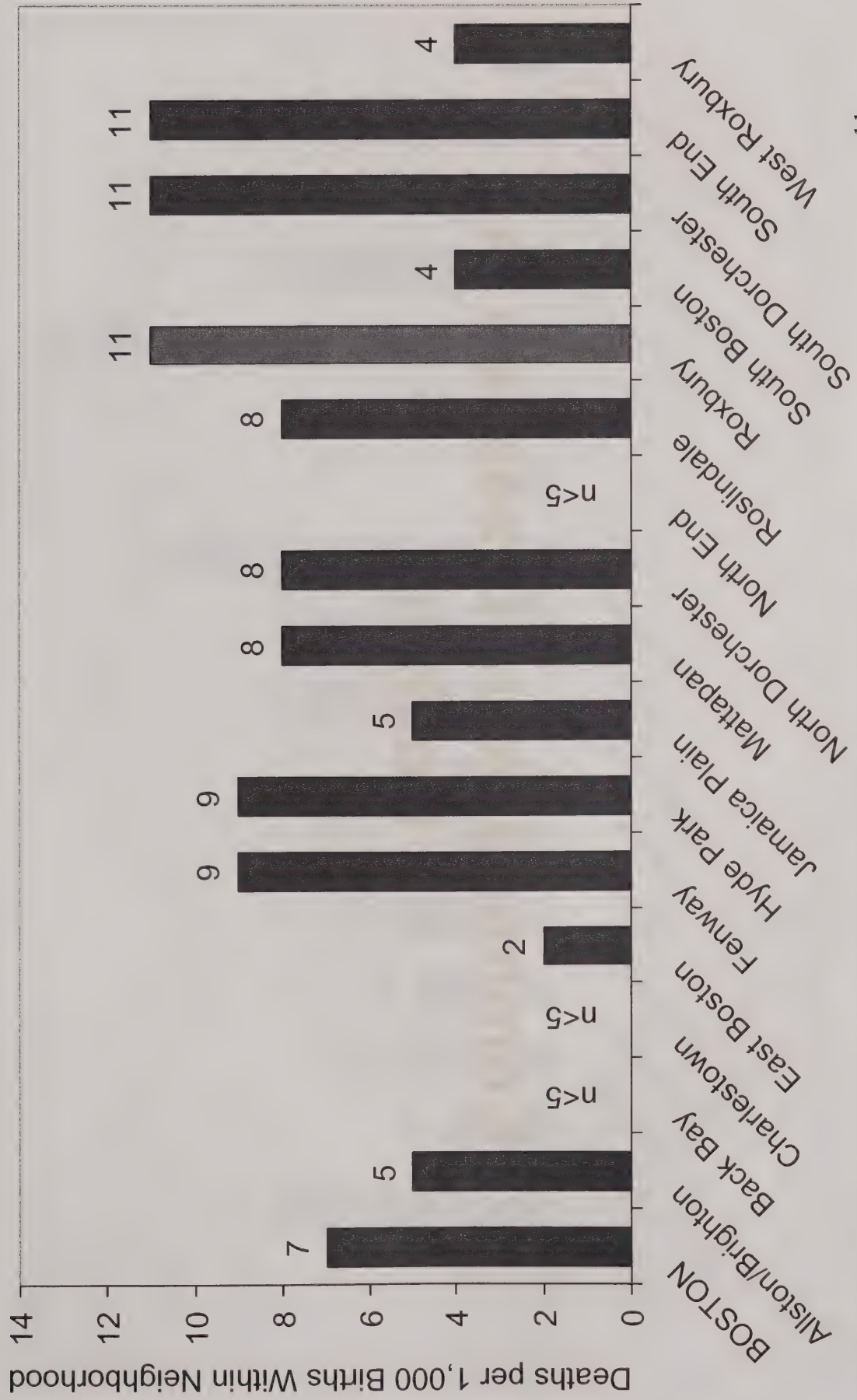
Adequacy of Prenatal Care by Neighborhood Boston, 2000



DATA SOURCE: Boston resident live births, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

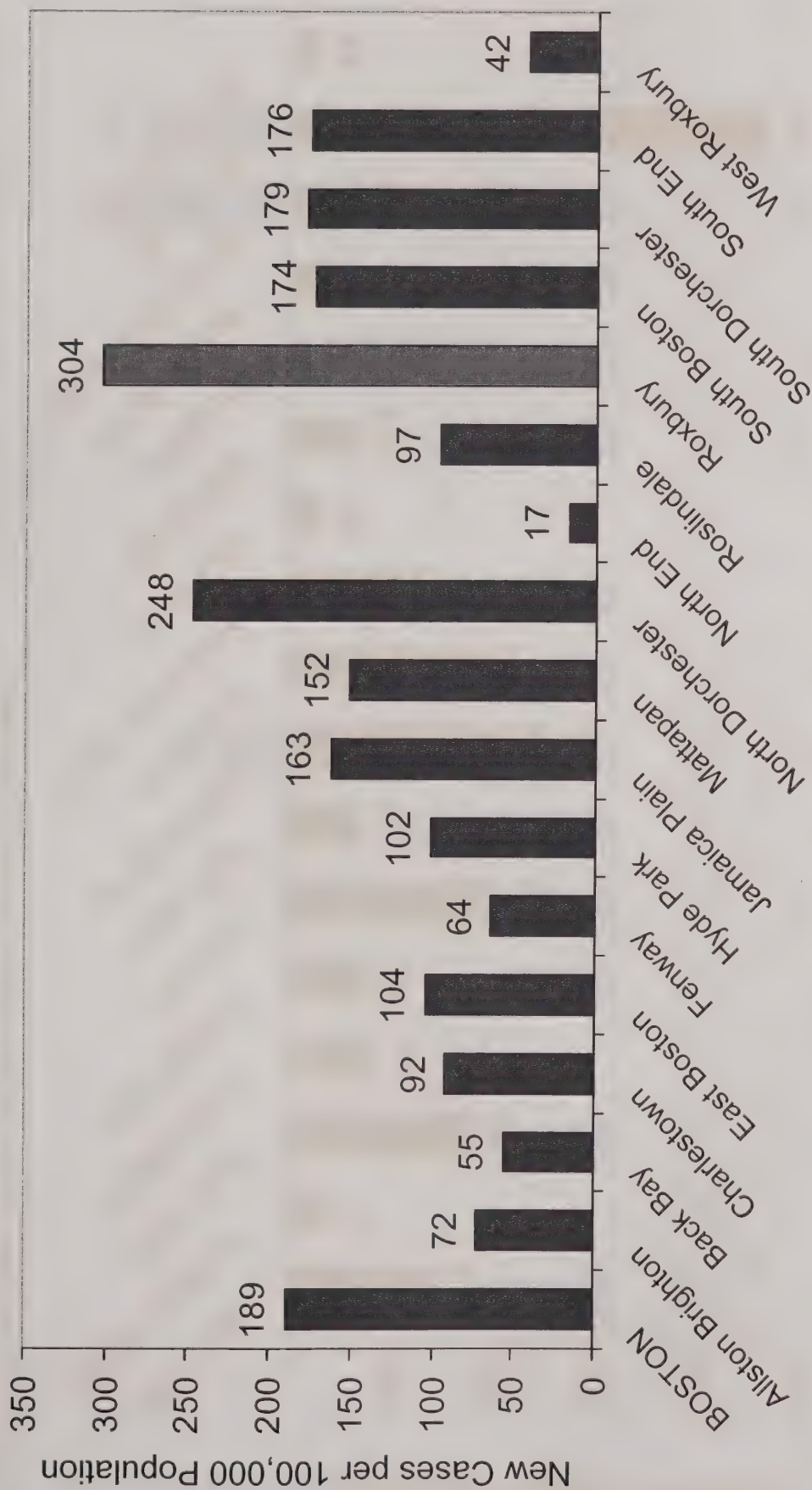
DATA ANALYSIS: Boston Public Health Commission, Research Office

Infant Mortality Rate by Neighborhood **Boston, 1996-2000**



Communicable Diseases in Roxbury

Hepatitis C Incidence Rates by Neighborhood Boston, 2000

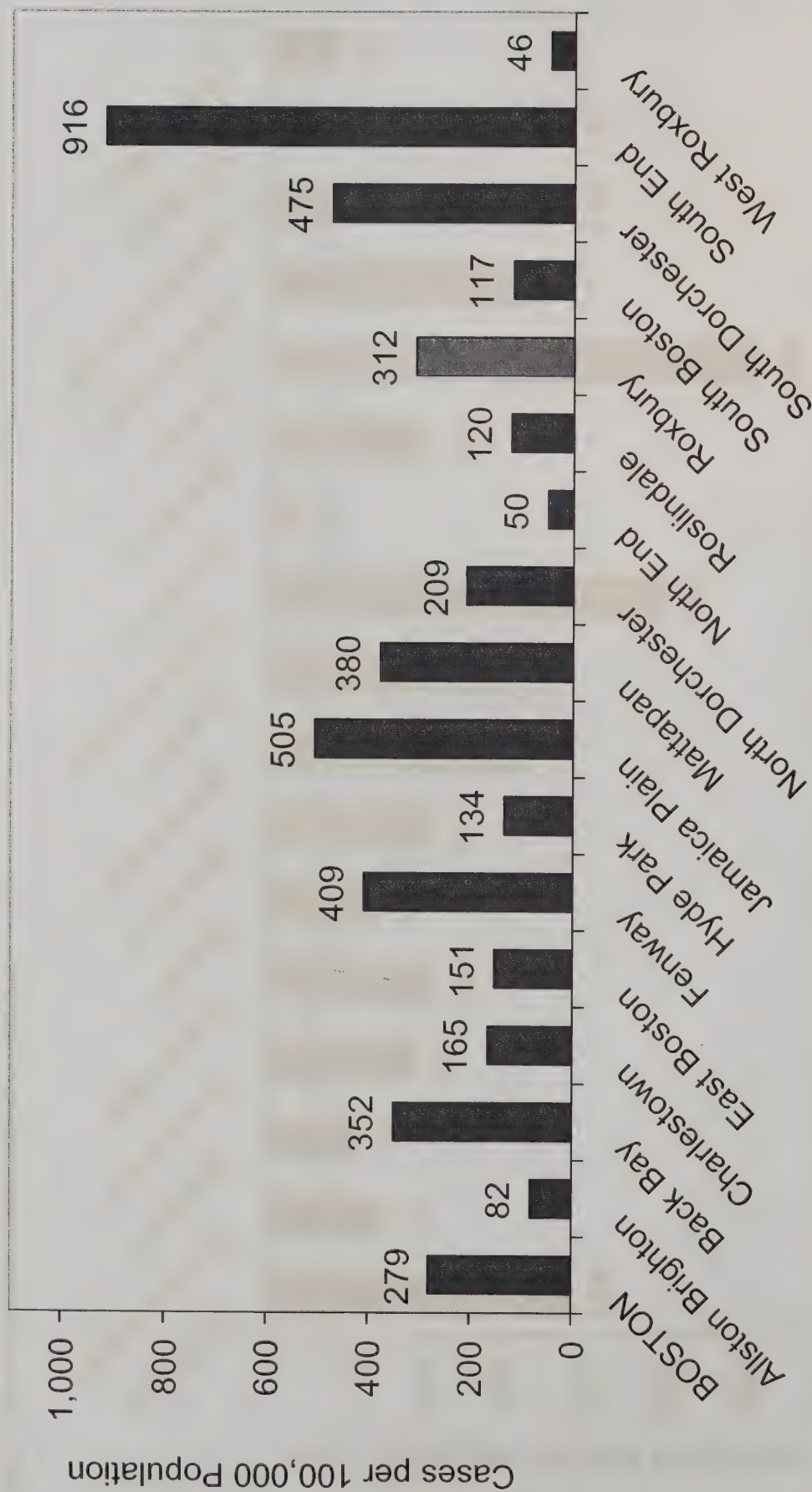


NOTE: Cases reflect year of report, not year of diagnosis.

DATA SOURCE: Communicable Disease Database, Boston Public Health Commission, Communicable Disease Control Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division
GRAPHIC: Boston Public Health Commission, Research Office

Cumulative HIV* Incidence Rates by Neighborhood As of May 1, 2002

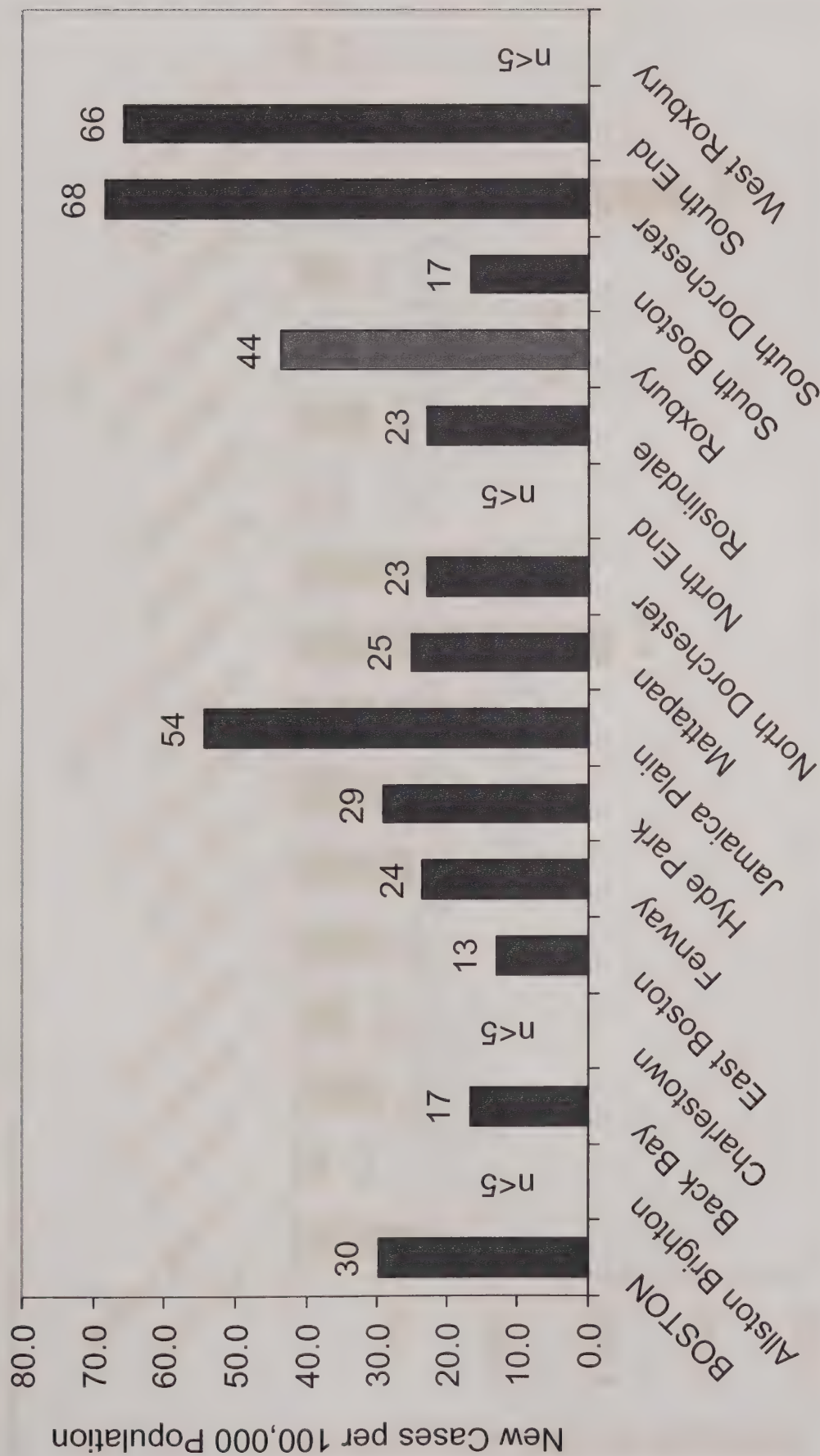


*HIV refers to HIV Alive Cases defined by the Massachusetts Department of Public Health.

DATA SOURCE: AIDS Reporting System Data, Massachusetts Department of Public Health, Bureau of Communicable Disease Control, AIDS Surveillance Program. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division
GRAPHIC: Boston Public Health Commission, Research Office

AIDS Incidence Rates by Neighborhood Boston, 2000

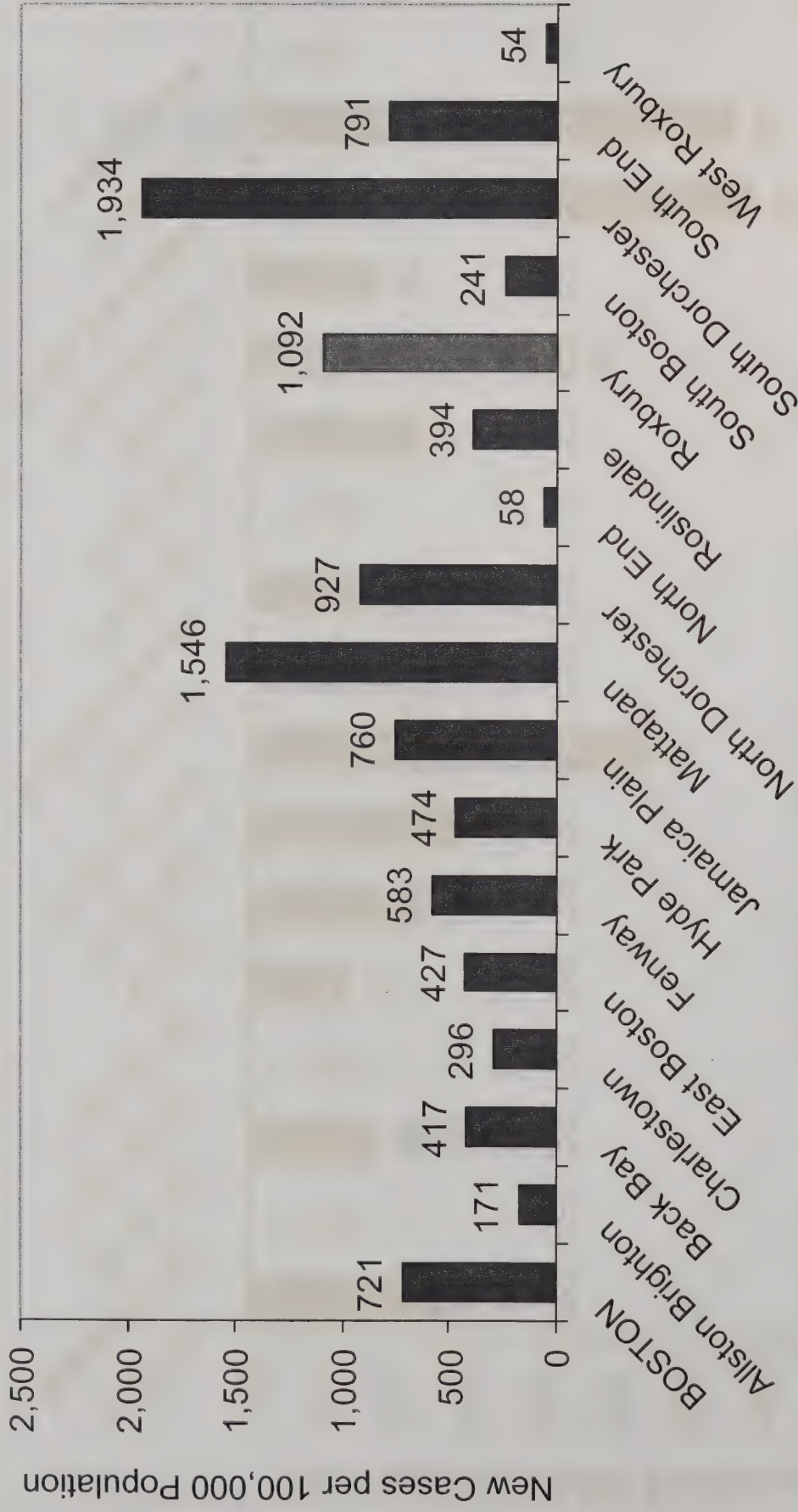


DATA SOURCE: AIDS Reporting System Data, Massachusetts Department of Public Health, Bureau of Communicable Disease Control. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

Sexually Transmitted Disease* Incidence Rates by Neighborhood Boston, 2000



*Sexually Transmitted Diseases include Chlamydia, Syphilis, and Gonorrhea.

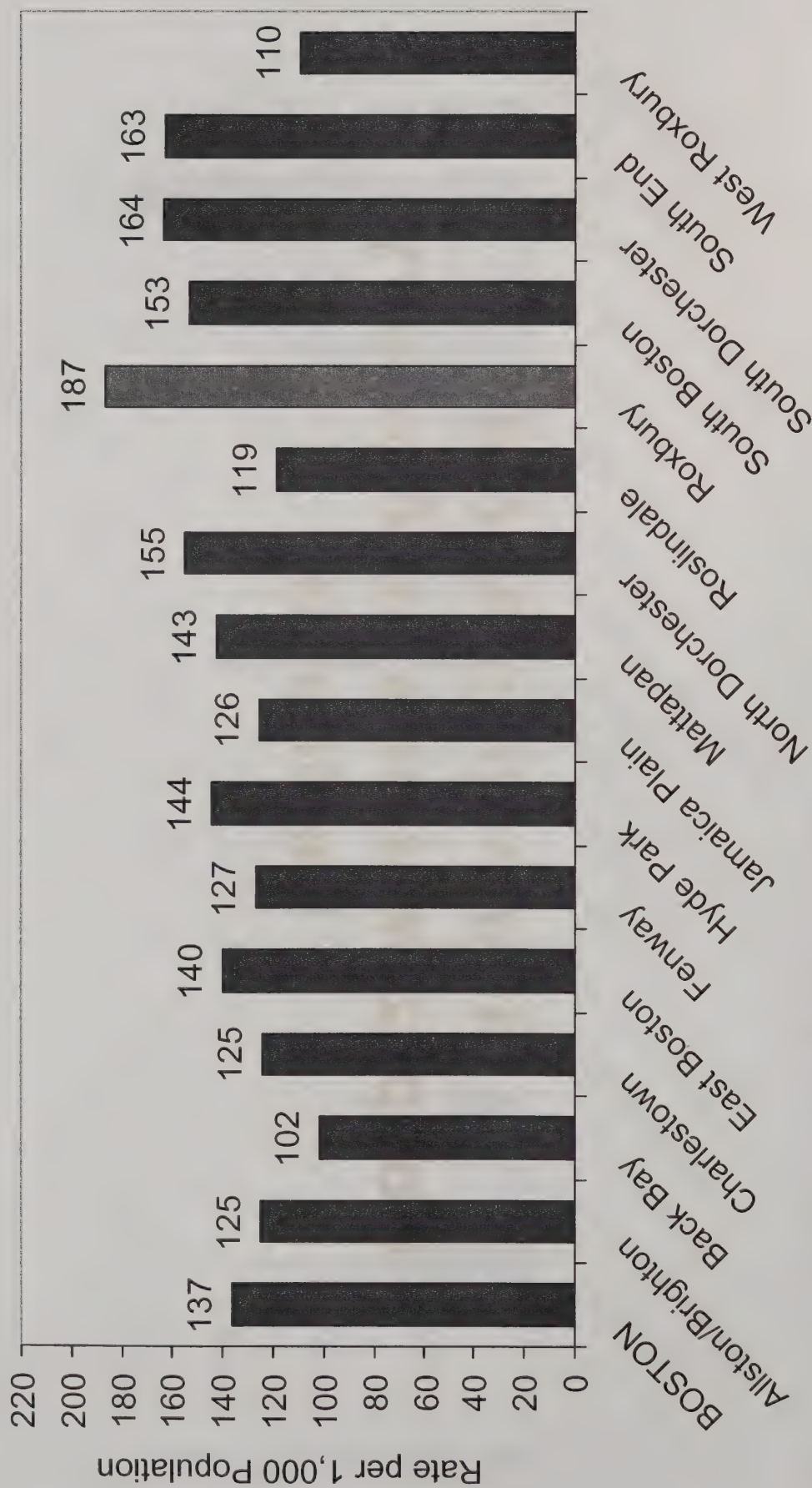
DATA SOURCE: Selected STDs for Boston Report, Massachusetts Department of Public Health, STD Division. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Communicable Disease Control Division

GRAPHIC: Boston Public Health Commission, Research Office

Information About Hospitalizations for Roxbury Residents

Hospitalization Age-Adjusted Rates by Neighborhood Boston, 2000



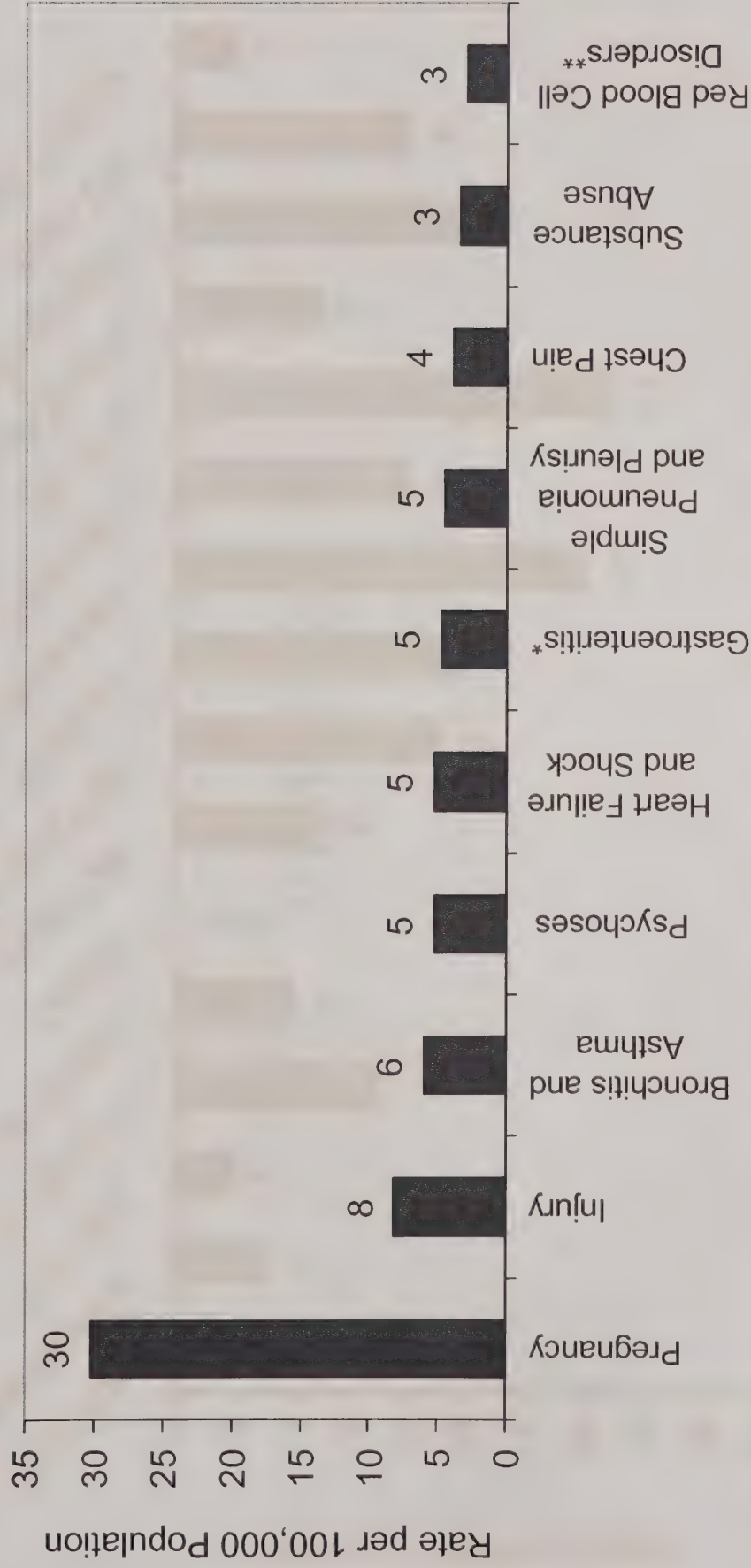
NOTE: North End data have been incorporated with Back Bay data.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

Leading Causes of Hospitalization Roxbury, 2000

Age-Adjusted Rates



*Also includes esophagitis and miscellaneous digestive disorders

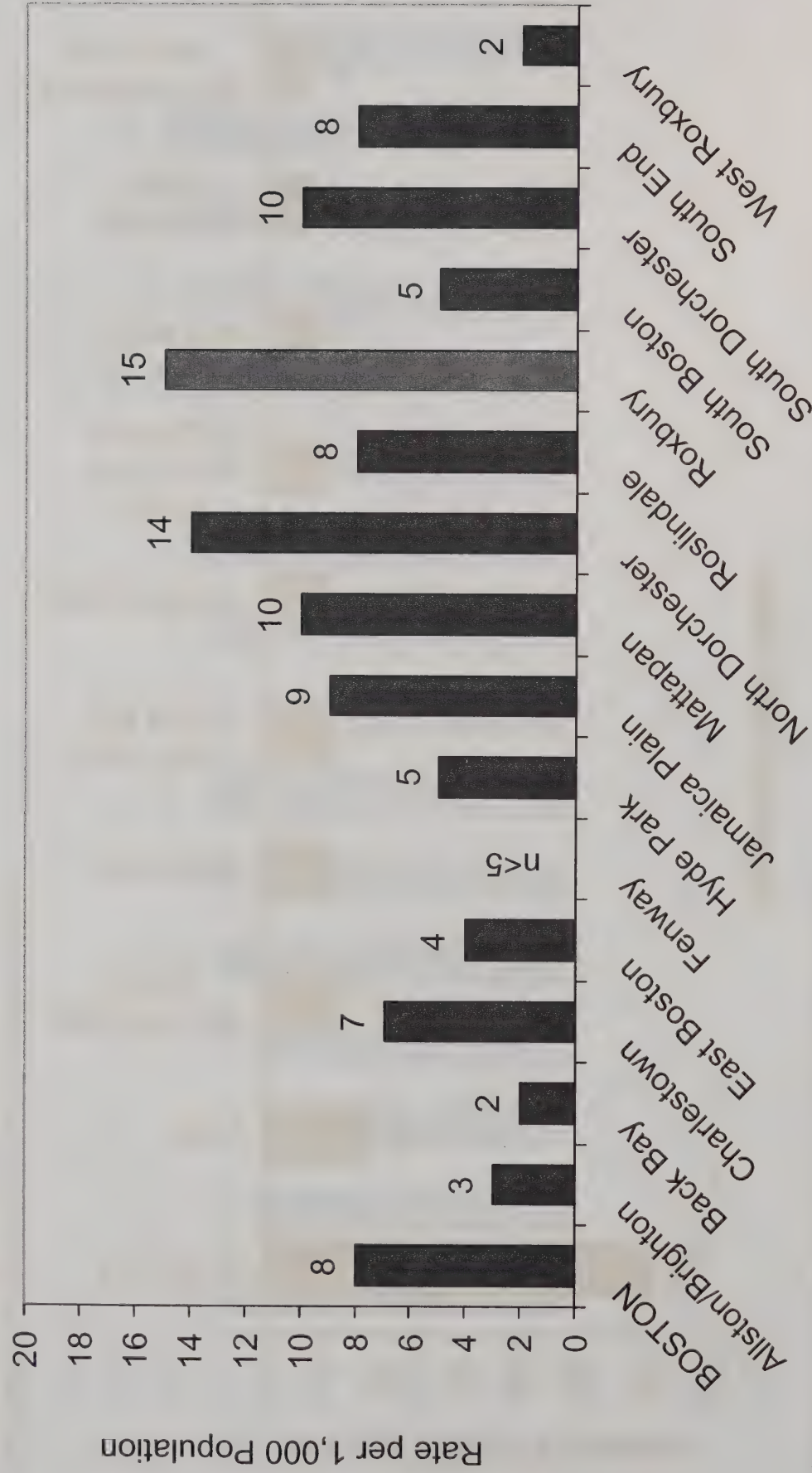
**Includes sickle cell anemia.

NOTE: These rates are age-adjusted to the 2000 US standard population; newborns have been excluded.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

DATA ANALYSIS: Boston Public Health Commission, Research Office.

Asthma Hospitalization Average Annual Rates Children Under Age 5 by Neighborhood,* Boston, 1999-2000



*North End data have been incorporated with Back Bay.

DATA SOURCE: 1997-2000 Acute Case Mix, Massachusetts Division of Health Care Finance and Policy. Rates are calculated using the US 2000 Census for resident population by zip code.

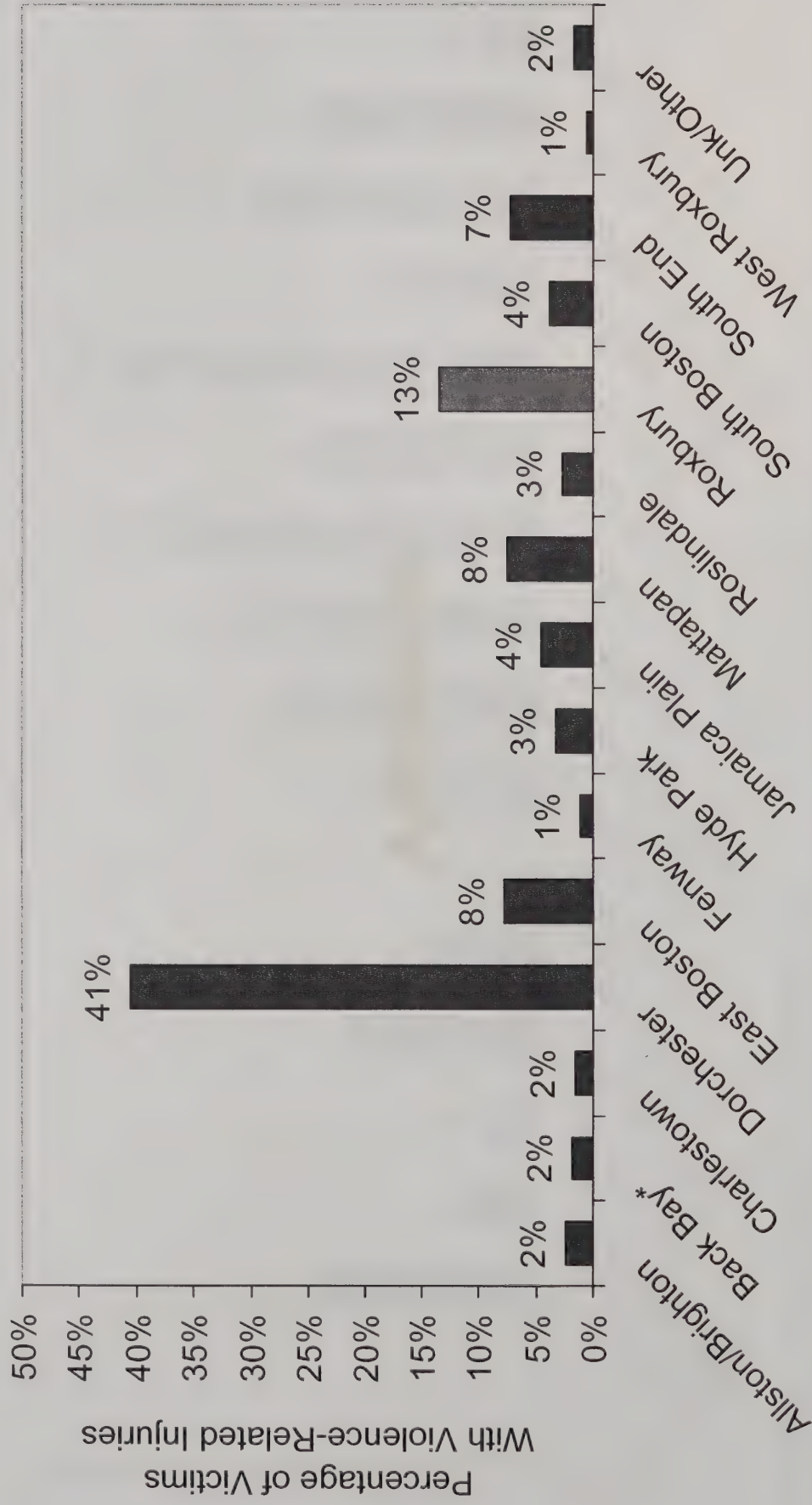
DATA ANALYSIS: Boston Public Health Commission, Research Office

Violence

Victims of Violence-Related Gunshot and Sharp Instrument Injuries

By Neighborhood

Boston, 1998-2001

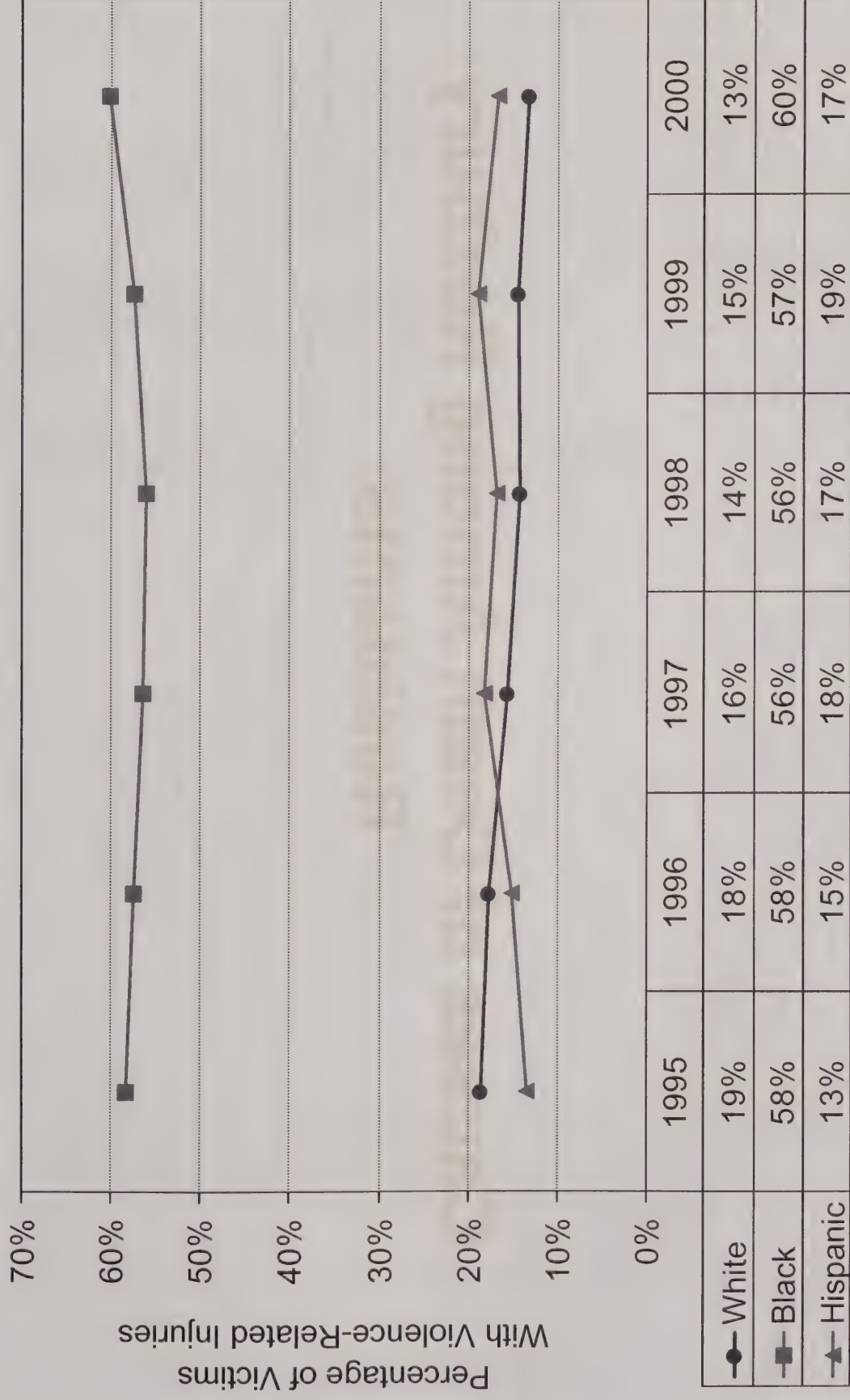


*Includes the North End

DATA SOURCE: Weapons-Related Injury Surveillance System (ISP), Massachusetts Department of Public Health

DATA ANALYSIS: Boston Public Health Commission, Research Office

Victims of Violence-Related Injuries by Race/Ethnicity and Year Boston, 1995-2000

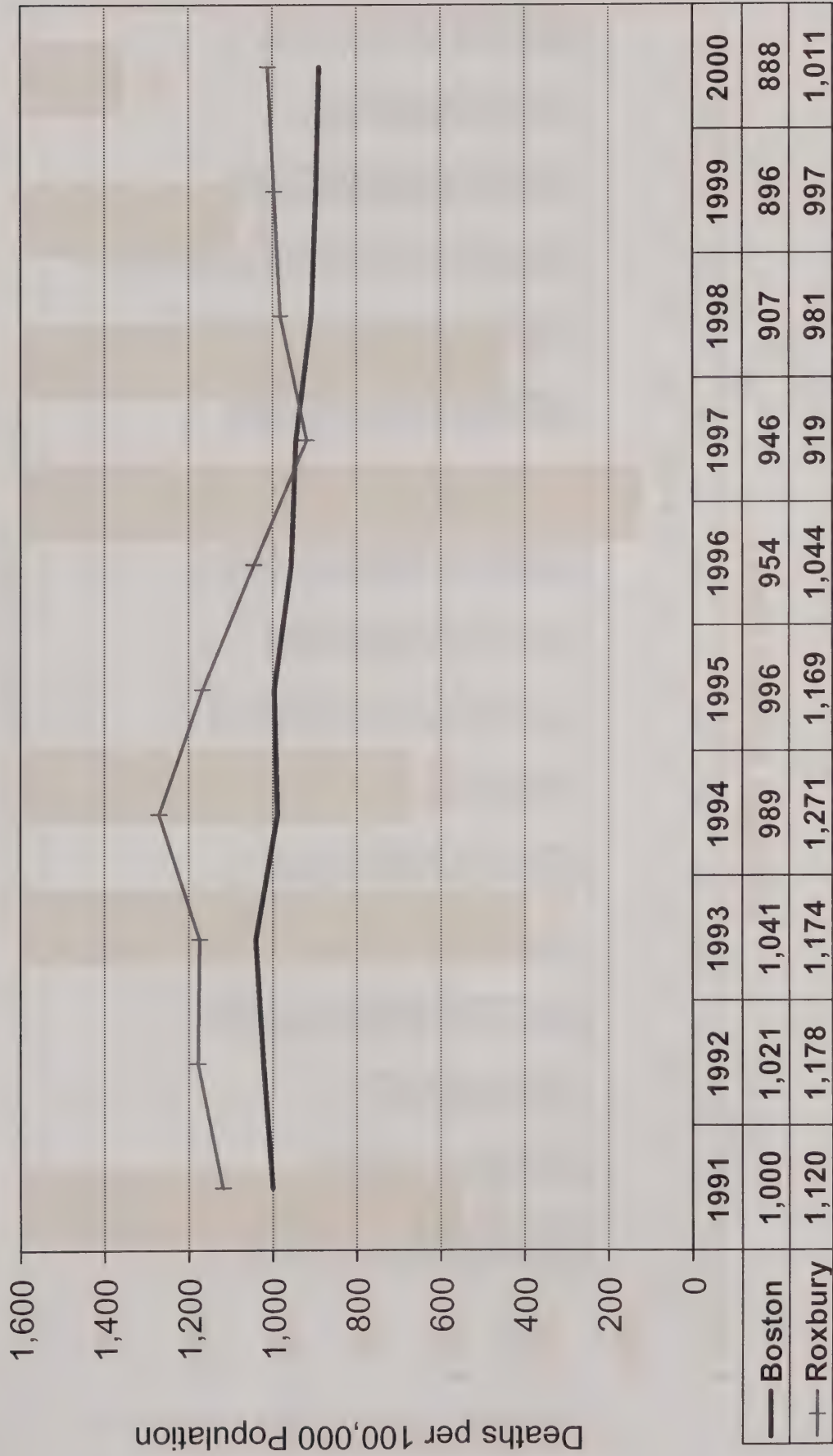


DATA SOURCE: Weapons-Related Injury Surveillance System (ISP), Massachusetts Department of Health
DATA ANALYSIS: Boston Public Health Commission, Research Office

Causes of Death Among Roxbury Residents

Overall Mortality Age-Adjusted Rates by Year

Boston Overall and Roxbury, 1991-2000

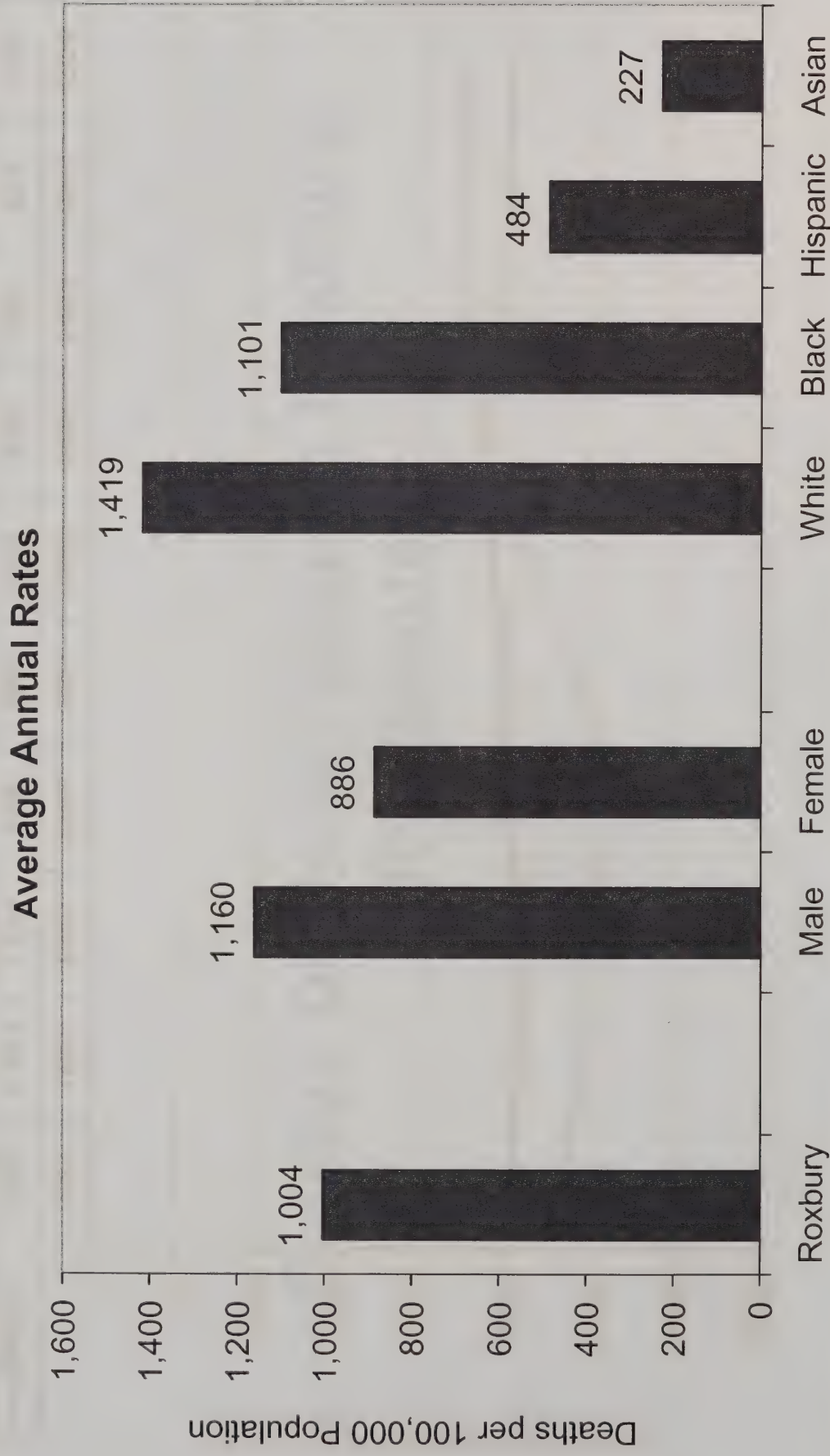


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using resident population estimates from MISER for 1991-1998, Massachusetts Department of Public Health 1999 Preliminary Population Estimates, and the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

Overall Mortality Age-Adjusted Rates by Sex and Race/Ethnicity

Roxbury, 1999-2000

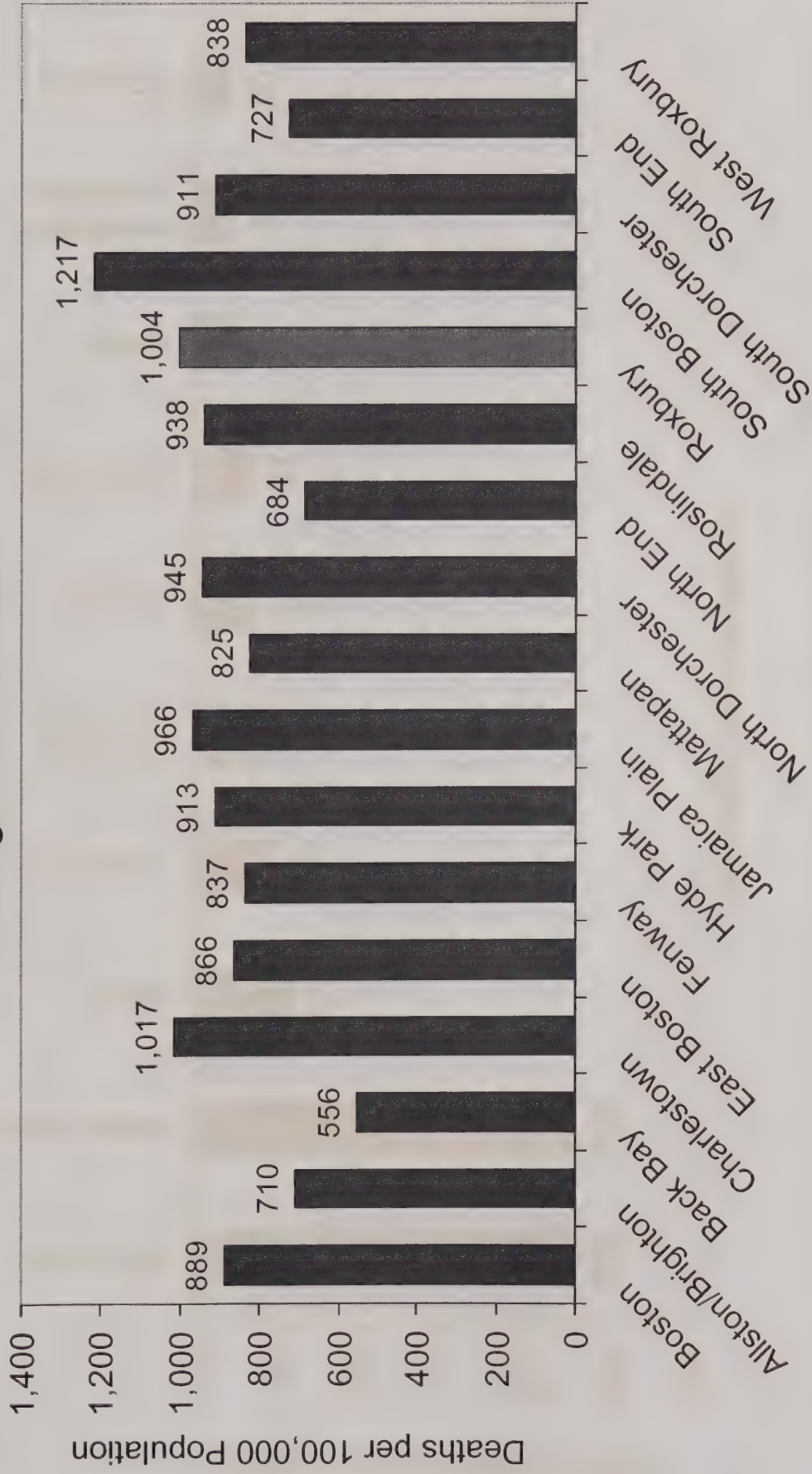


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

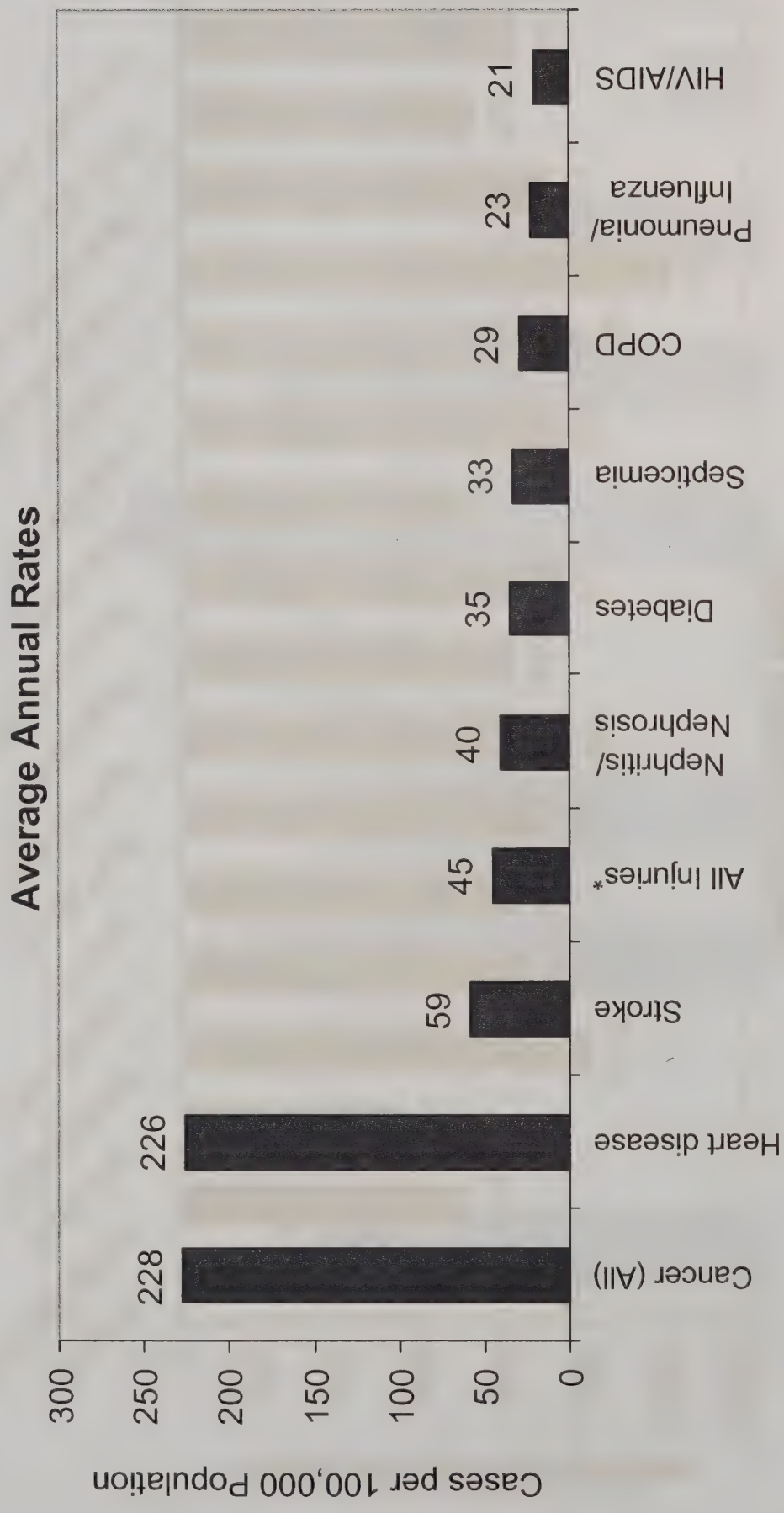
Overall Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

Average Annual Rates



DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.
DATA ANALYSIS: Boston Public Health Commission, Research Office

Leading Causes of Death Age-Adjusted Rates Roxbury, 1999-2000



*Deaths due to all injuries include unintentional deaths (accidents, motor vehicle related), intentional deaths (homicide and suicide), and injuries with intent unknown at the time when the death certificate was issued.
 DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.
 DATA ANALYSIS: Boston Public Health Commission, Research Office

Cancer Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

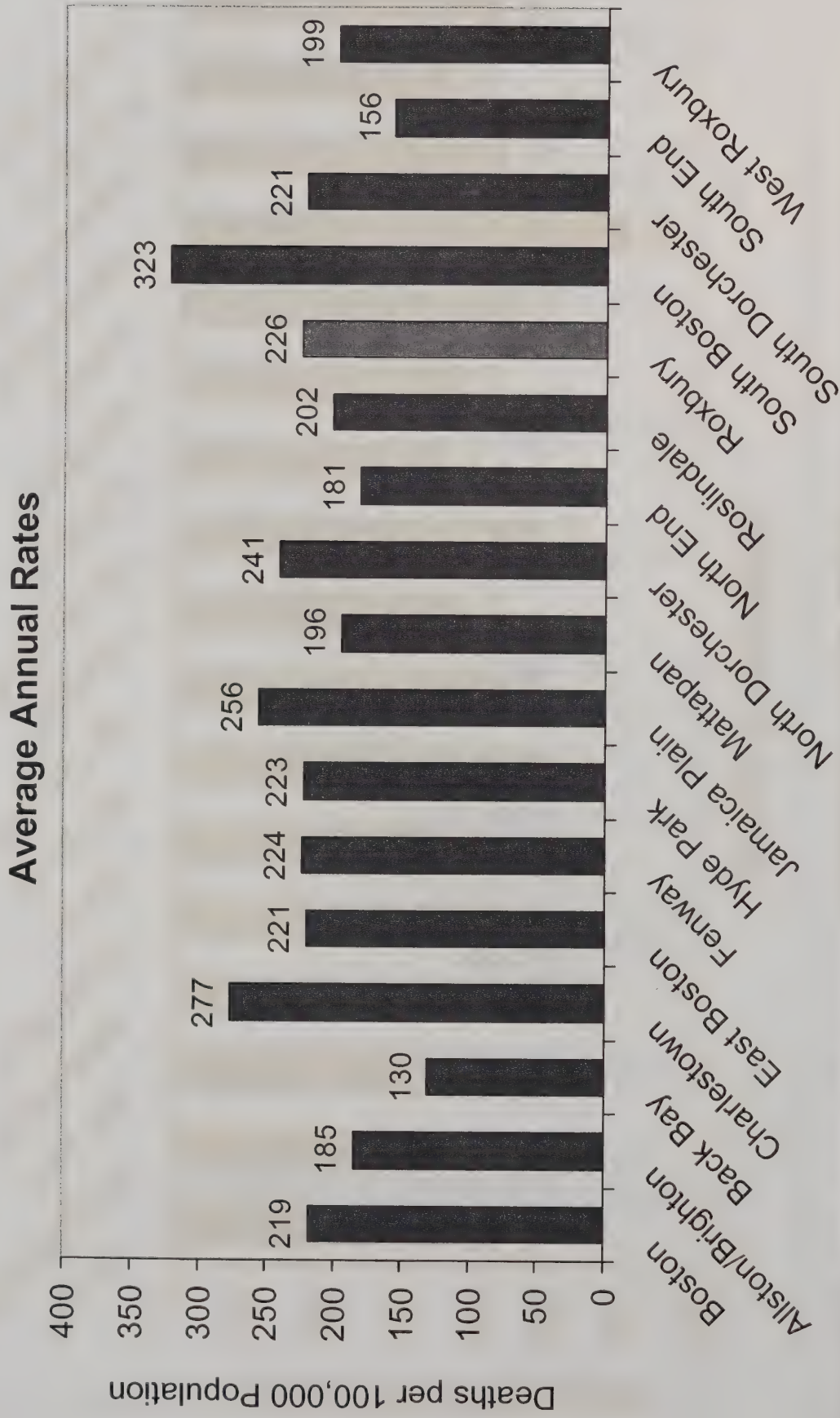
Average Annual Rates



DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

DATA ANALYSIS: Boston Public Health Commission, Research Office

Heart Disease Mortality Age-Adjusted Rates by Neighborhood Boston, 1999-2000

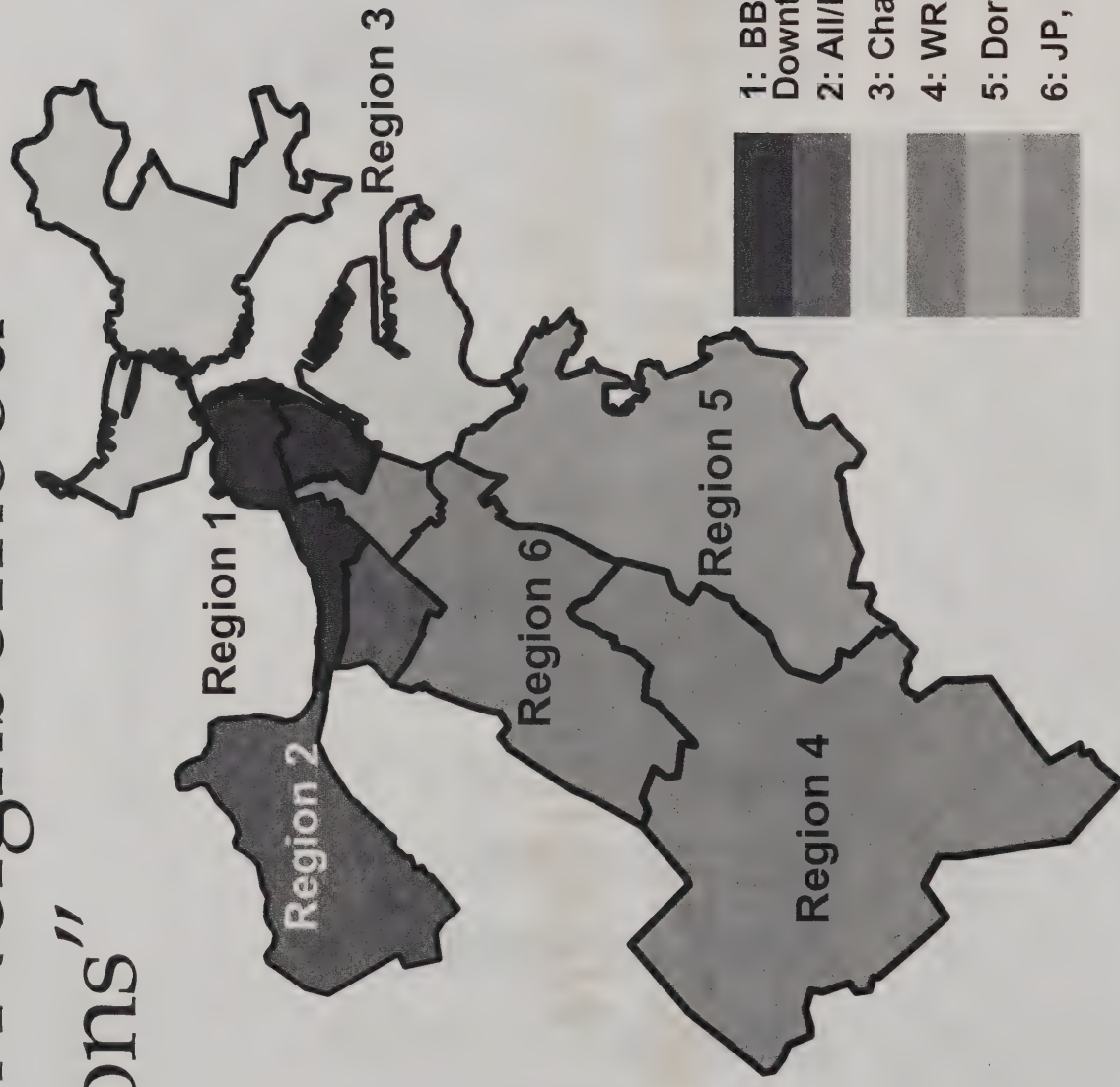


DATA SOURCE: Boston resident deaths, Massachusetts Department of Public Health. Rates are calculated using the US Census 2000 for resident population.

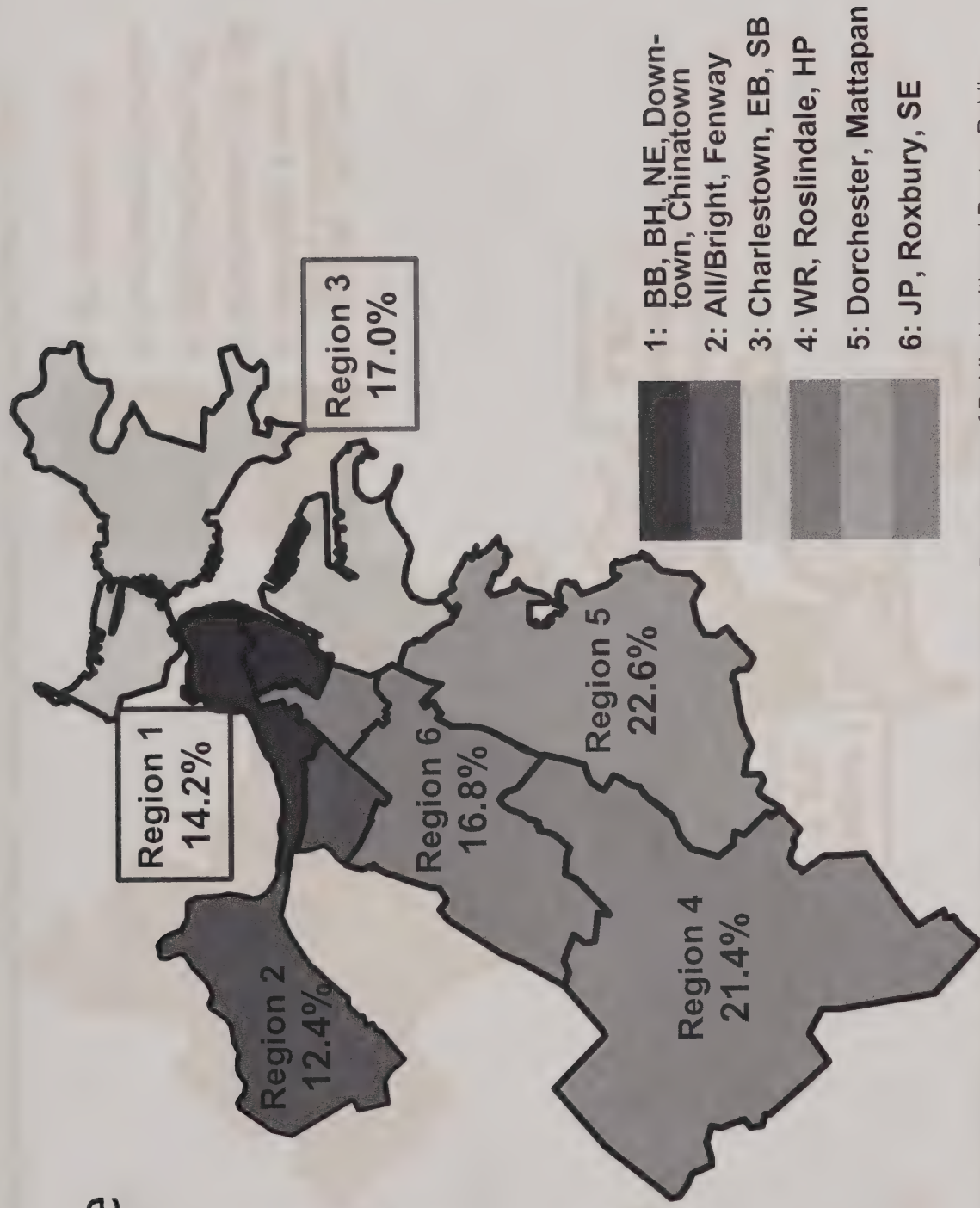
DATA ANALYSIS: Boston Public Health Commission, Research Office

Health Risks from the BRFSS by Neighborhood Regions

Boston Neighborhood "Regions"

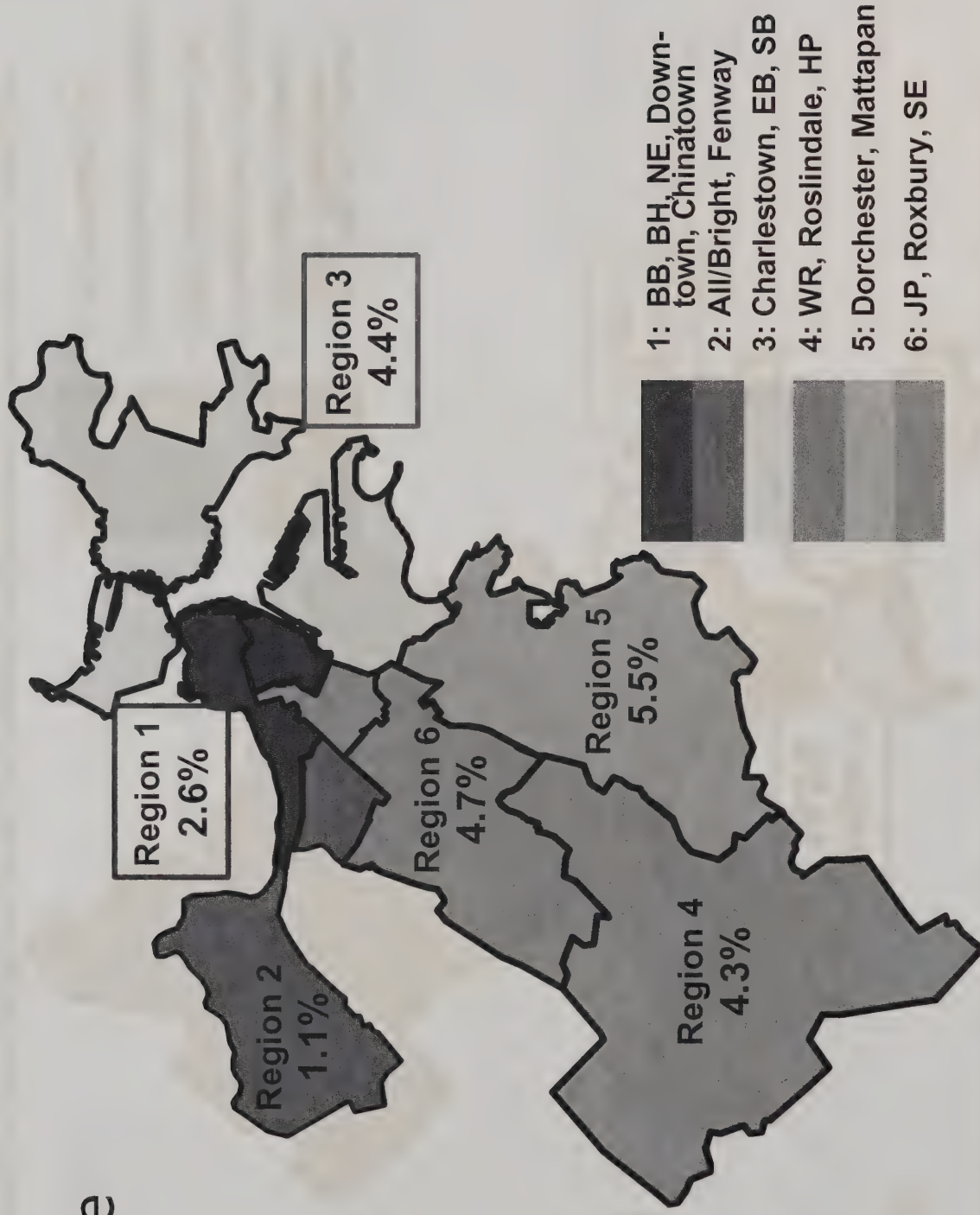


Percentage of Boston Adults Ever Diagnosed with High Blood Pressure



- 1: BB, BH, NE, Downtown, Chinatown
- 2: All/Bright, Fenway
- 3: Charlestown, EB, SB
- 4: WR, Roslindale, HP
- 5: Dorchester, Mattapan
- 6: JP, Roxbury, SE

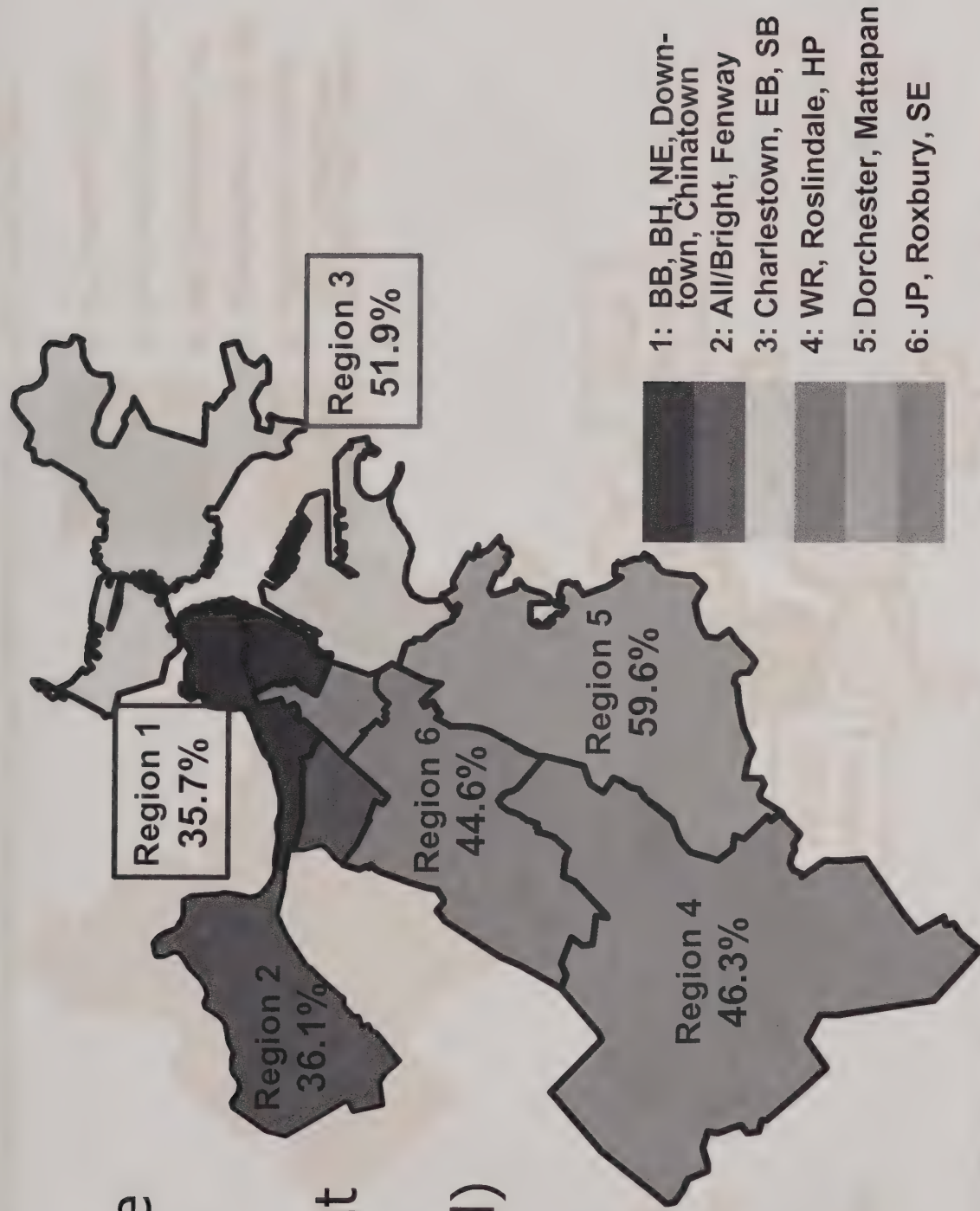
Percentage of Boston Adults Ever Diagnosed with Diabetes



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission

MAP PREPARATION: Boston Public Health Commission, Research Office

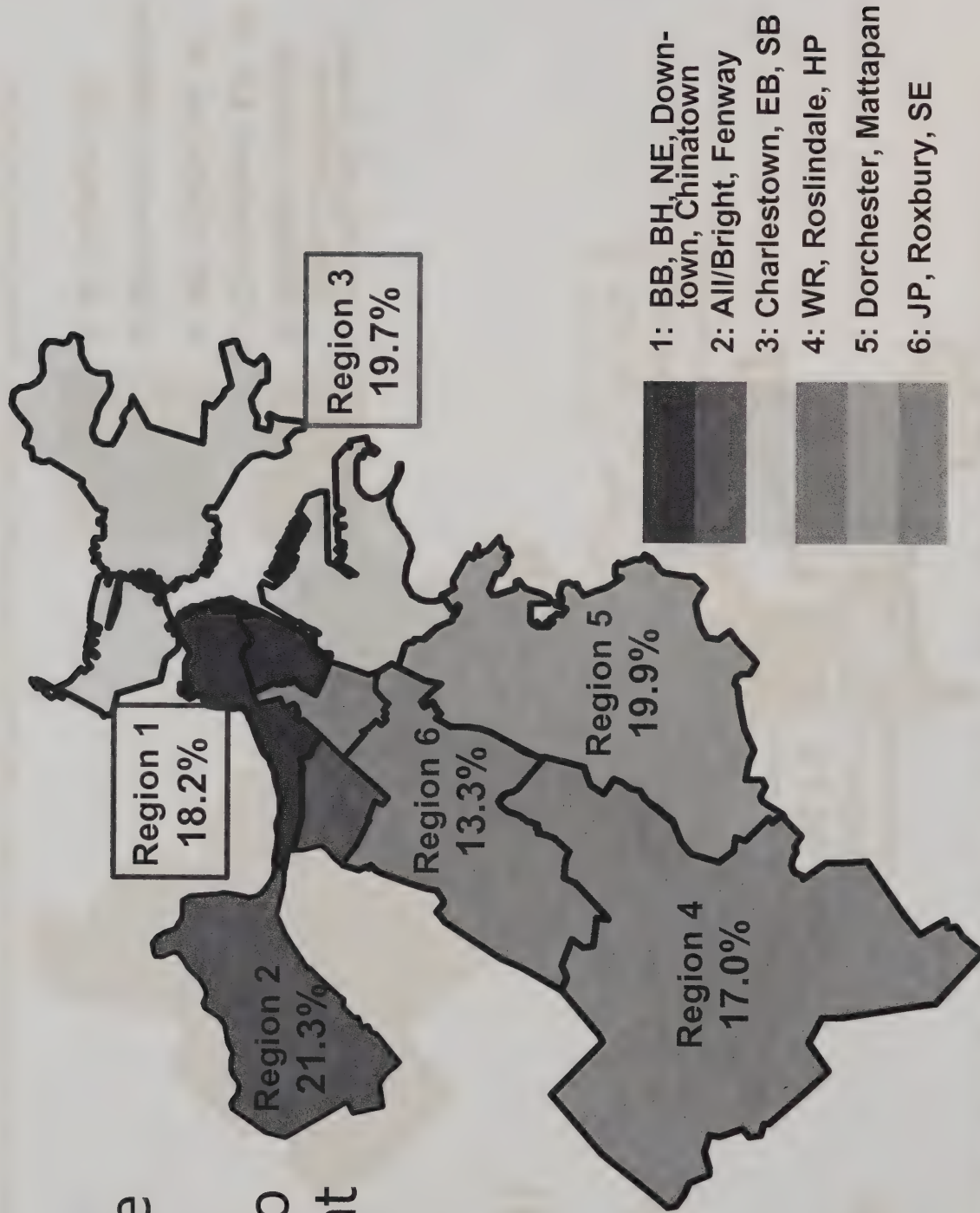
Percentage of Boston Adults Overweight or Obese (Combined)



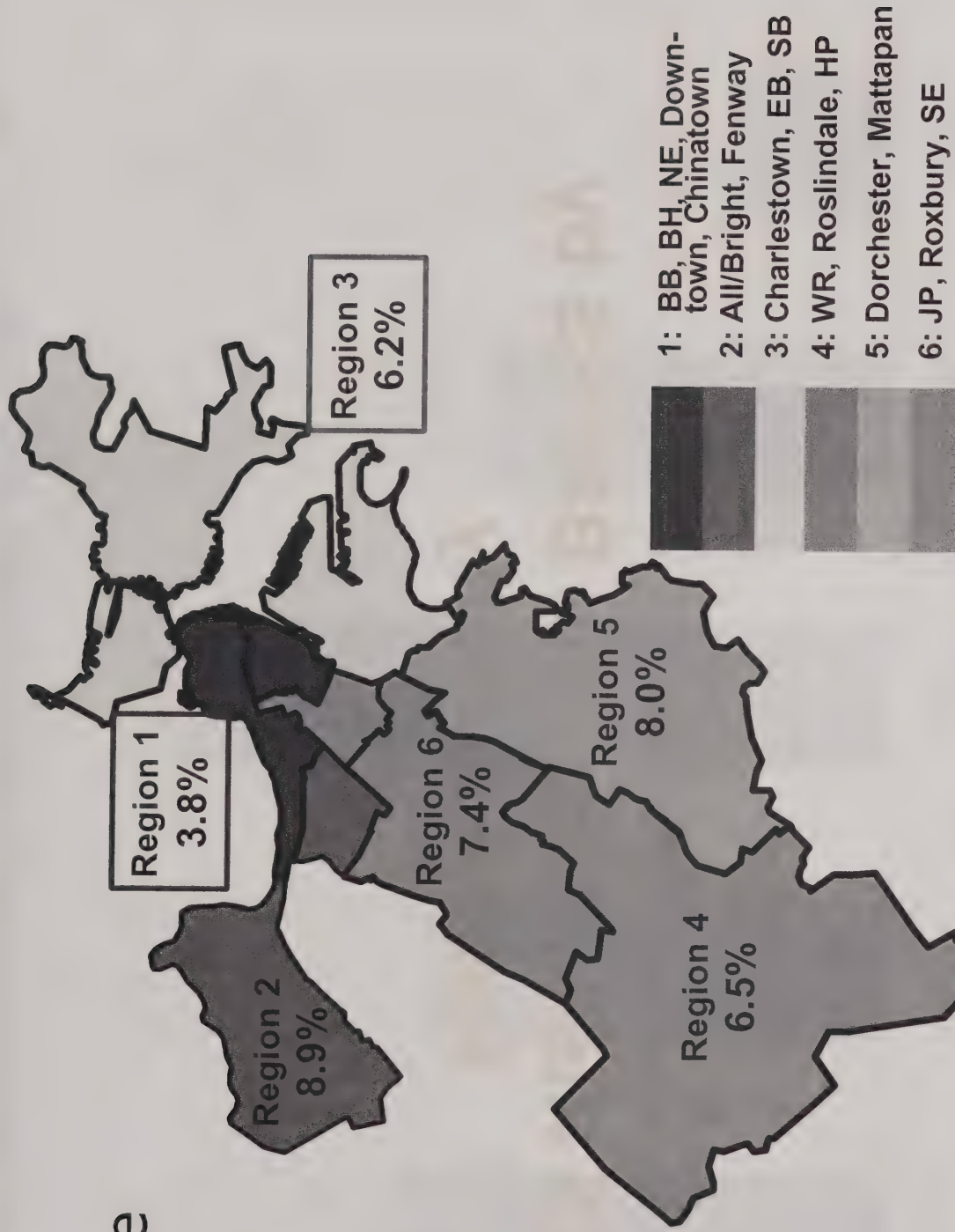
DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission

MAP PREPARATION: Boston Public Health Commission, Research Office

Percentage of Boston Adults Who Are Current Smokers



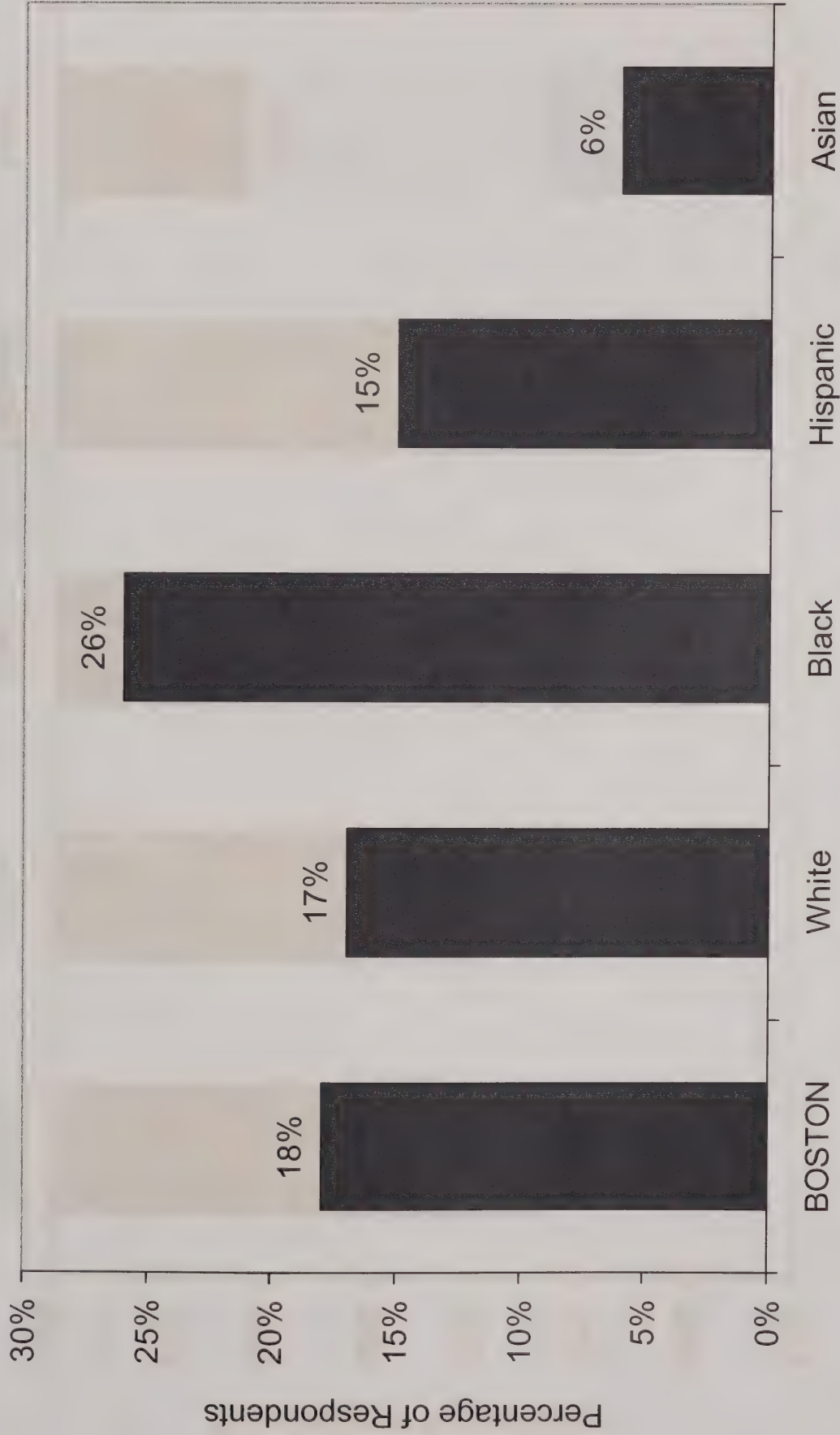
Percentage of Boston Adults Who Are Uninsured



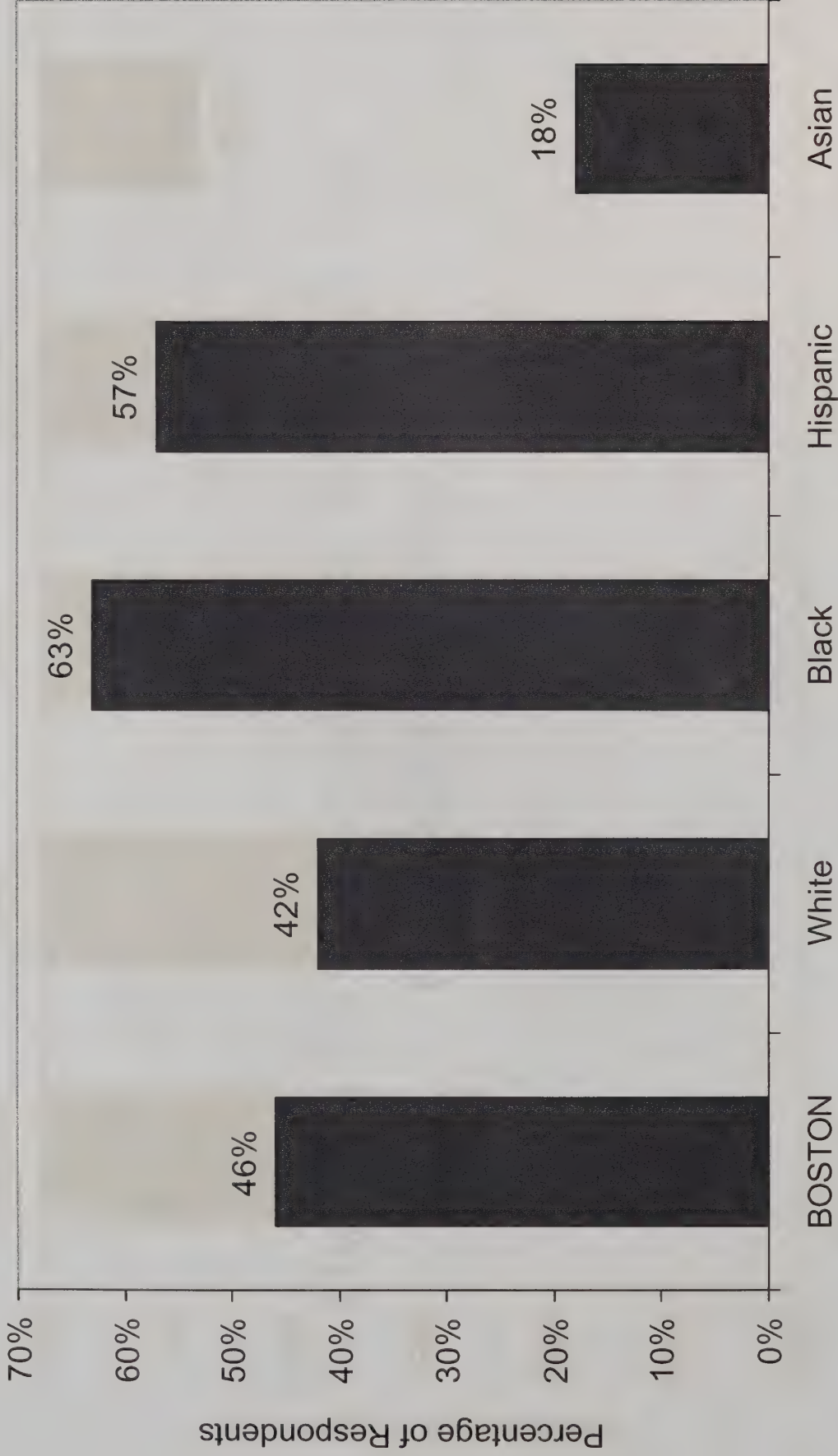
DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission
 MAP PREPARATION: Boston Public Health Commission, Research Office

Health Risks from the BRFSS by Race/Ethnicity

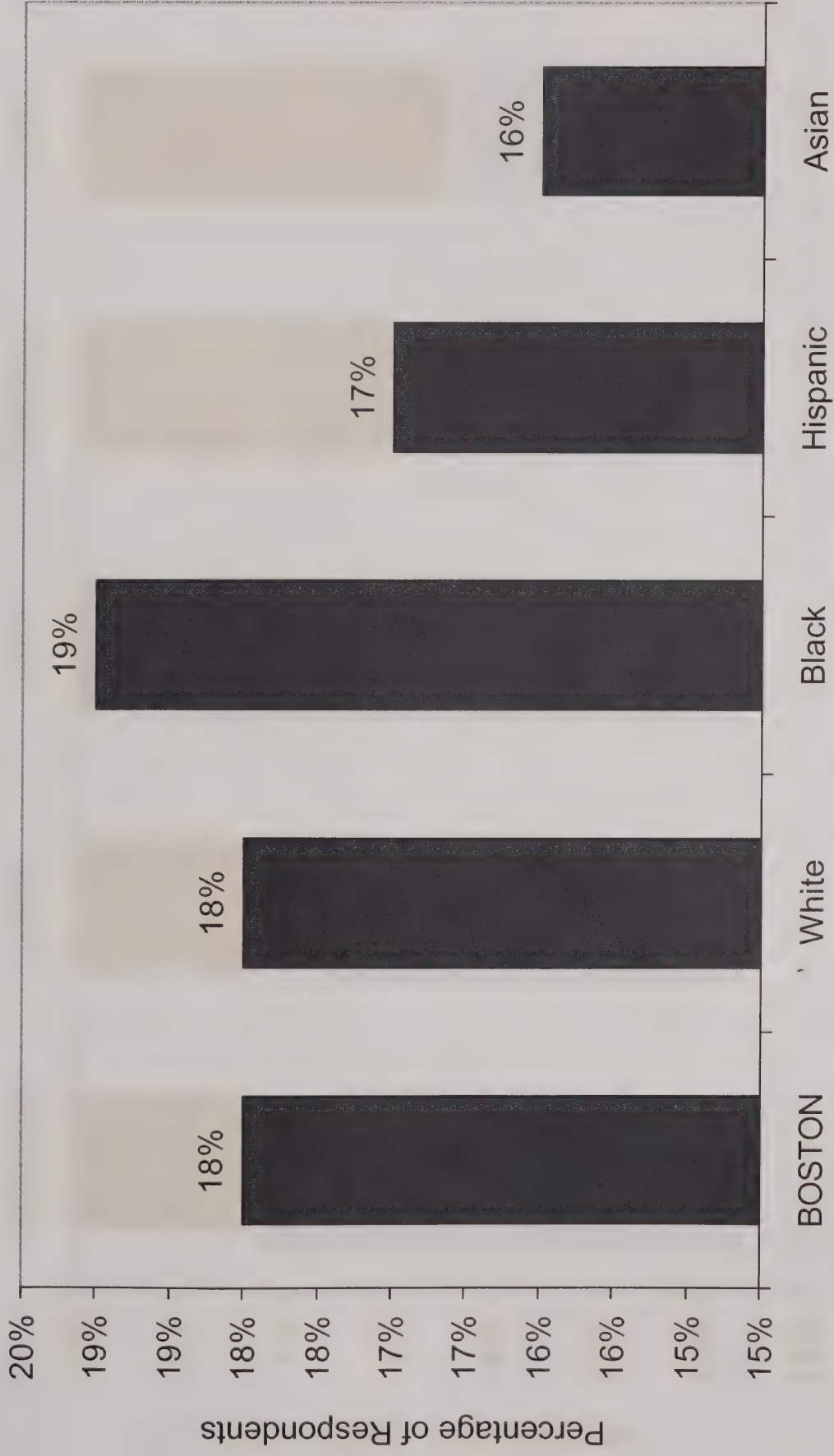
Percentage of Adults Ever Diagnosed with High Blood Pressure By Race/Ethnicity, Boston, 1997 and 1999



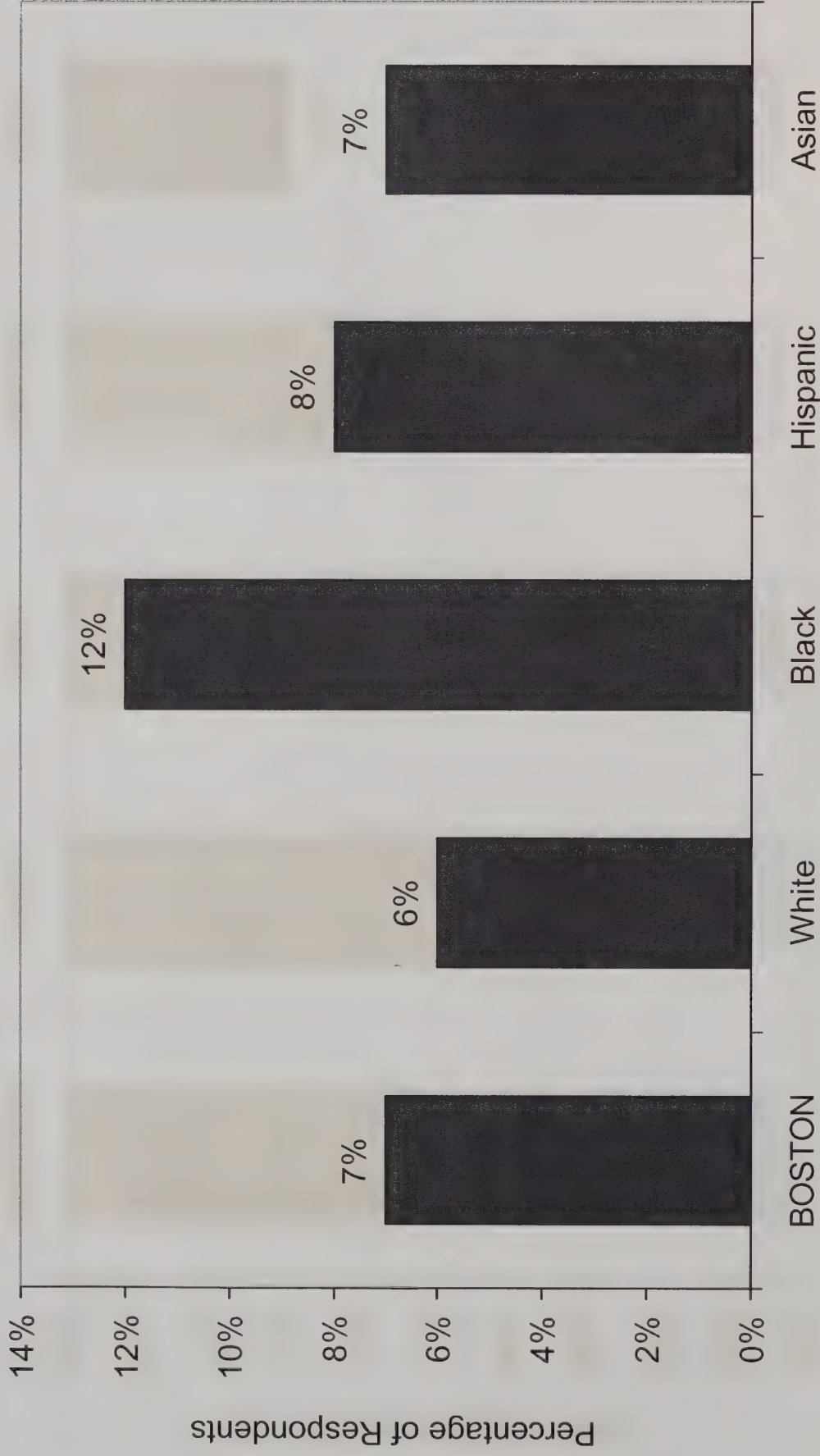
Percentage of Adults Obese or Overweight (Combined) By Race/Ethnicity, Boston, 1997-1999



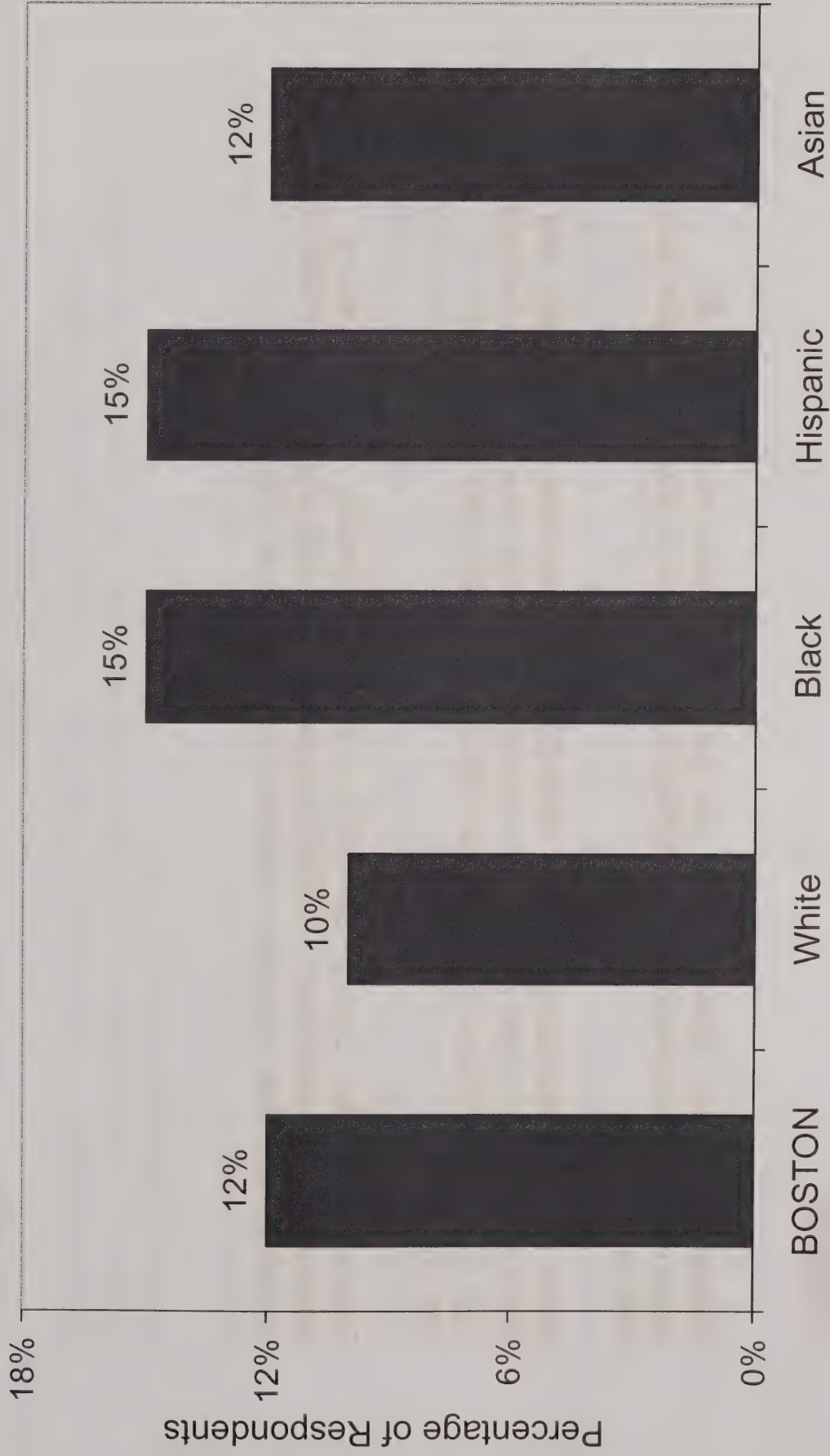
Percentage of Adults Who are Current Smokers By Race/Ethnicity, Boston, 1997-1999



Percentage of Adults With No Insurance By Race/Ethnicity, Boston, 1997-1999



Fair or Poor Health Status Among Adults Boston, 1997-1999



DATA SOURCE: Behavioral Risk Factor Surveillance System, 1998-1999, Massachusetts Department of Public Health and Boston Public Health Commission
GRAPHIC: Boston Public Health Commission, Research Office

SUMMARY

Overall Mortality: Between 1991 and 2000, the overall mortality rate for Roxbury residents declined 10%, similar to the decline in the Boston rate during the same period.

Heart Disease Mortality: During 1999-2000, the heart disease mortality rate for Roxbury residents (226 deaths per 100,000 population) was only slightly higher than the overall Boston rate for heart disease mortality (219 deaths per 100,000).

Cancer Mortality: During 1999-2000, the cancer mortality rate for Roxbury residents (228 deaths per 100,000 population) was only slightly higher than the overall Boston rate for cancer mortality (221 deaths per 100,000).

Challenges

Infant Mortality: For the period 1996-2000, the infant mortality rate (IMR) for Roxbury (11 infant deaths per 1,000 live births) was 57% higher than the IMR for Boston (7 infant deaths per 1,000).

AIDS Incidence: In 2000, the AIDS incidence rate for Roxbury residents (44 new cases per 100,000 population) was 47% higher than the Boston rate (30 new cases per 100,000) and the third highest rate among Boston neighborhoods.

Asthma Hospitalization Among Children: In 2000, the asthma hospitalization rate for Roxbury children under age 5 (15 hospitalizations per 1,000 population) was 88% higher than the Boston rate (8 hospitalizations per 1,000) and the highest among Boston neighborhoods.

Hepatitis C Incidence: In 2000, the Roxbury hepatitis C incidence rate (304 new cases per 100,000 population) was 61% higher than the overall Boston rate (189 new cases per 100,000) and the highest among Boston neighborhoods.

SUMMARY

Overall Mortality: Between 1991 and 2000, the overall mortality rate was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).

Heart Disease Mortality: During 1991-2000, the overall mortality rate for heart disease was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).

Cancer Mortality: During 1991-2000, the overall mortality rate for cancer was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).

Stroke Mortality: During 1991-2000, the overall mortality rate for stroke was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).

Cholesterol: The overall cholesterol level was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).

Diabetes: The overall diabetes rate was 100,000/100,000 and the highest was 100,000/100,000 (1991) and the lowest was 100,000/100,000 (2000).



Report Binder
Stock No./Color

80571	Black
80572	Lt. Blue
80573	Dk. Blue
80578	Rust
80579	Exec. Red

MADE IN THE U.S.A.

